

Appendix A.

Error Messages

Topic: Debugging

This appendix describes the error messages that may be generated by ACIS. Refer to Chapter 6, *Error Handling and Messaging*, for more information on error messages.

The following section contains a list of all ACIS error messages, alphabetized by the error message mnemonic code. The entry for each error message includes the mnemonic code, the file in which the error message is defined, and the error message text.

Error Messages

Topic: Ignore

ABL_ATTRIB_BAD_PROC	blnd/blend/kernbool/ee_att/abl.msg “Illegal procedure attempted for blend attribute”
ABL_BAD_EE_START_PT	blnd/blend/kernbool/ee_att/abl.msg “Bad starting point given for edge–edge blend geometry”
ABL_BAD_EF_START_PT	blnd/blend/kernbool/ee_att/abl.msg “Bad starting point given for edge–face blend geometry”
ABL_BAD_FF_START_PT	blnd/blend/kernbool/ee_att/abl.msg “Bad starting point given for face–face blend geometry”
ABL_BAD_RAD_FCN	blnd/blend/kernbool/ee_att/abl.msg “Unable to create valid radius function from given data”
ABL_BAD_VE_START_PT	blnd/blend/kernbool/ee_att/abl.msg “Bad starting point given for vertex–edge blend geometry”
ABL_BAD_VF_START_PT	blnd/blend/kernbool/ee_att/abl.msg “Bad starting point given for vertex–face blend geometry”
ABL_CAP_COMPLEX	blnd/blend/kernbool/ee_att/abl.msg “Situation detected too complex for capping”
ABL_CHG_PT_COMPLEX.....	blnd/blend/kernbool/ee_att/abl.msg “Geometric configuration around change point too complex”
ABL_CHG_PT_COMPLEX_EDGE	blnd/blend/kernbool/ee_att/abl.msg “Geometric configuration around change point on edge too complex”
ABL_CHG_PT_COMPLEX_FACE	blnd/blend/kernbool/ee_att/abl.msg “Geometric configuration around change point on face too complex”

ABL_CHG_PT_COMPLEX_VERT	blnd/blend/kernbool/ee_att/abl.msg “Geometric configuration around change point on vertex too complex”
ABL_CVXTY_VIOLATION	blnd/blend/kernbool/ee_att/abl.msg “Concave/convex blend is removing/adding material”
ABL_CVX_CALC_FAILED	blnd/blend/kernbool/ee_att/abl.msg “Automatic blend convexity calculation failed.”
ABL_ENDCAP_COMPLEX	blnd/blend/kernbool/ee_att/abl.msg “Situation detected too complex for endcapping”
ABL_ENDCAP_FAIL	blnd/blend/kernbool/ee_att/abl.msg “Attempted endcap has failed”
ABL_ENT_WITH_NO_VERTS	blnd/blend/kernbool/ee_att/abl.msg “Entity with no verts found. Please manually specify help point.”
ABL_EXT_FAIL	blnd/blend/kernbool/ee_att/abl.msg “Blend surface could not be extended enough for capping”
ABL_FIRST_ERR_MSG	blnd/blend/kernbool/ee_att/abl.msg “Internal error in blending”
ABL_GEOM_EDGE_STAT	blnd/blend/kernbool/ee_att/abl.msg “Non-toroidal blend geometry not moving along edge”
ABL_GEOM_NOT_IMPL	blnd/blend/kernbool/ee_att/abl.msg “Blend geometry for entities not implemented”
ABL_GEOM_NOT_IMPL_VE	blnd/blend/kernbool/ee_att/abl.msg “Vertex-edge blend geometry not implemented”
ABL_GEOM_NOT_IMPL_VF	blnd/blend/kernbool/ee_att/abl.msg “Vertex-face blend geometry not implemented”
ABL_GEOM_NOT_IMPL_VV	blnd/blend/kernbool/ee_att/abl.msg “Vertex-vertex blend geometry not implemented”
ABL_HLP_PT_CALC_FAILED	blnd/blend/kernbool/ee_att/abl.msg “Automatic help point calculation failed.”
ABL_INCONS_SEGMS	blnd/blend/kernbool/ee_att/abl.msg “Segment structure inconsistent”
ABL_INSUFF_GEOM	blnd/blend/kernbool/ee_att/abl.msg “Sufficient legal geometry could not be made for these entities”
ABL_INTERNAL_ERR	blnd/blend/kernbool/ee_att/abl.msg “Advanced blending internal error”
ABL_LAST_ERR_MSG	blnd/blend/kernbool/ee_att/abl.msg “Internal error in blending”
ABL_NO_GEOM	blnd/blend/kernbool/ee_att/abl.msg “Blend geometry ill-defined or undefined”
ABL_NO_GEOM_EE	blnd/blend/kernbool/ee_att/abl.msg “Edge-edge blend geometry ill-defined or undefined”
ABL_NO_GEOM_EF	blnd/blend/kernbool/ee_att/abl.msg “Edge-face blend geometry ill-defined or undefined”
ABL_NO_GEOM_FF	blnd/blend/kernbool/ee_att/abl.msg “Face-face blend geometry ill-defined or undefined”

ABL_NO_GEOM_VE	blnd/blend/kernbool/ee_att/abl.msg "Vertex-edge blend geometry ill-defined or undefined"
ABL_NO_GEOM_VF	blnd/blend/kernbool/ee_att/abl.msg "Vertex-face blend geometry ill-defined or undefined"
ABL_NO_SEGMS	blnd/blend/kernbool/ee_att/abl.msg "No blend faces found to exist between entities"
ABL_OFF_SUPPORT	blnd/blend/kernbool/ee_att/abl.msg "Blend does not touch a blended entity"
ABL_RADIUS_BIG	blnd/blend/kernbool/ee_att/abl.msg "Blend radius too big"
ABL_RADIUS_SMALL	blnd/blend/kernbool/ee_att/abl.msg "Blend radius too small"
ABL_SIDECAP_COMPLEX	blnd/blend/kernbool/ee_att/abl.msg "Situation detected too complex for sidecapping"
ABL_SIDECAP_FAIL	blnd/blend/kernbool/ee_att/abl.msg "Attempted sidecap has failed"
ABL_TRANS_COMPLEX	blnd/blend/kernbool/ee_att/abl.msg "Transition onto next entity too complex to determine"
ABL_TRANS_COMPLEX_EDGE	blnd/blend/kernbool/ee_att/abl.msg "Transition from edge onto next entity too complex to determine"
ABL_TRANS_COMPLEX_FACE	blnd/blend/kernbool/ee_att/abl.msg "Transition from face onto next entity too complex to determine"
ABL_TRANS_COMPLEX_VERTEX	blnd/blend/kernbool/ee_att/abl.msg "Transition from vertex onto next entity too complex to determine"
ABORT_CHECKING	intr/intersct/sg_husk/sanity/sanity.msg "found first insane entity"
ACIS_CONTROL_C_EXIT	base/baseutil/errorsys/errorbase.msg "Control-C interrupt"
ACIS_EXCEPTION_ACCESS_VIOLATION	base/baseutil/errorsys/errorbase.msg "Access violation"
ACIS_EXCEPTION_ARRAY_BOUNDS_EXCEEDED	base/baseutil/errorsys/errorbase.msg "Array bounds exceeded"
ACIS_EXCEPTION_BREAKPOINT	base/baseutil/errorsys/errorbase.msg "Breakpoint"
ACIS_EXCEPTION_DATATYPE_MISALIGNMENT	base/baseutil/errorsys/errorbase.msg "Data type misalignment"
ACIS_EXCEPTION_FIT_DENORMAL_OPERAND	base/baseutil/errorsys/errorbase.msg "Float denormal"
ACIS_EXCEPTION_FIT_DIVIDE_BY_ZERO ..	base/baseutil/errorsys/errorbase.msg "Float divide by zero"
ACIS_EXCEPTION_FIT_INEXACT_RESULT ..	base/baseutil/errorsys/errorbase.msg "Float inexact result"

ACIS_EXCEPTION_FIT_INVALID_OPERATION	base/baseutil/errorsys/errorbase.msg “Invalid float operation”
ACIS_EXCEPTION_FIT_OVERFLOW	base/baseutil/errorsys/errorbase.msg “Floating point overflow”
ACIS_EXCEPTION_FIT_STACK_CHECK	base/baseutil/errorsys/errorbase.msg “Stack check”
ACIS_EXCEPTION_FIT_UNDERFLOW	base/baseutil/errorsys/errorbase.msg “Floating point underflow”
ACIS_EXCEPTION_INT_DIVIDE_BY_ZERO . .	base/baseutil/errorsys/errorbase.msg “Integer divide by zero”
ACIS_EXCEPTION_INT_OVERFLOW	base/baseutil/errorsys/errorbase.msg “Integer overflow”
ACIS_EXCEPTION_IN_PAGE_ERROR	base/baseutil/errorsys/errorbase.msg “Page error”
ACIS_EXCEPTION_PRIV_INSTRUCTION	base/baseutil/errorsys/errorbase.msg “Privileged instruction attempted”
ACIS_EXCEPTION_SINGLE_STEP	base/baseutil/errorsys/errorbase.msg “Single step”
ACOVr_INTERNAL	covr/cover/repair_husk/acovr.msg “An internal error occurred in advanced covering”
ADDTANG_PROBLEM	bool/boolean/kernbool/boolean/boolean.msg “system inconsistency processing surface tangency”
ADD_NO_USECOUNT	kern/kernel/kerndata/data/data.msg “called add() on entity with no use count”
ADD_TO_CLOSED_BB	kern/kernel/kerndata/bulletin/bulletin.msg “adding bulletin to closed bulletin board”
AGERR_ALLOC	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib unable to allocate memory”
AGERR_DATA	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib data value error”
AGERR_DEALLOC	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib unable to deallocate memory”
AGERR_FOPEN	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib unable to open file”
AGERR_INIT	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib inappropriately initialized”
AGERR_ITER	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib iteration fails to converge”
AGERR_MISSING	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib missing algorithm for this case”
AGERR_OVERFLOW	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib data array overflow”
AGERR_RANGE	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib data out of range”
AGERR_READ	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib error reading from file”
AGERR_STRUCT	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib invalid structure”

AGERR_TRACE	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib trace back”
AGERR_UNKNOWN	kern/kernel/spline/agspline/aguser/aguser.msg “AGLib unknown error”
ALGORITHM_TRAP	base/baseutil/rtchecks/rtchecks.msg “Algorithm trap”
ALREADY_FREE	kern/kernel/kerndata/data/data.msg “attempt to free record already on free list”
ALREADY_LOST	kern/kernel/kerndata/data/data.msg “attempt to delete record already marked as deleted”
API_FAILED	kern/kernel/kernapi/api/api.msg “operation unsuccessful”
AUTO_CLIP_UNSUPPORTED	fct/faceter/api/facet.msg “Auto Clipping no longer supported”
AXIS_NOT_MADE	kern/kernel/sg_husk/sweep/sweep.msg “Problem encountered computing axis”
AXIS_N_PLANE	kern/kernel/sg_husk/sweep/sweep.msg “Axis is not on the plane face”
BAD_ALLOC	kern/kernel/kerndata/data/data.msg “attempt to make data structure record static or on stack”
BAD_ANNOTATION_FOUND	kern/kern_scm/kern_scm.msg “Bad ANNOTATION found matching the given criteria”
BAD_ARRAY	base/baseutil/mmgr/mmgr.msg “Deleting a heap array allocated as an ordinary block”
BAD_ARRAY_ITEM	base/baseutil/mmgr/mmgr.msg “Item size mismatch deleting an array”
BAD_ARRAY_LENGTH	base/baseutil/mmgr/mmgr.msg “Length mismatch deleting an array”
BAD_ATTACH	kern/kernel/kerndata/bulletin/bulletin.msg “attach delta state must be beginning of branch”
BAD_ATTRIB	kern/kernel/kerndata/data/data.msg “attempt to create ATTRIB record”
BAD_ATTRIB_TAG	kern/kernel/kerndata/data/data.msg “callback created bad tag for annotation”
BAD_ATTRIB_TRANSFER	bool/boolean/kernbool/boolean/boolean.msg “cannot transfer INTCOED or shell_lump pointers”
BAD_AUTO_CHECK	kern/kernel/kerndata/bulletin/bulletin.msg “auto-checkpoint stacking error”
BAD_BEZIER_SPAN	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “a spline curve span could not be represented in Bezier form”
BAD_BINARY_FORMAT	kern/kernel/kernutil/fileio/fileio.msg “Illegal value for binary_format option”
BAD_BOUNDARY_COEDGE	bool/boolean/kernbool/boolean/boolean.msg “misclassified graph coedge – probably geometrical problem”
BAD_BOX_OPERATION	base/baseutil/vector/vector.msg “illegal operation on given box”

BAD_BS_LENGTH	kern/kernel/spline/agspline/bs3_srf/bs3_srf.msg "number of control points in save file incorrect"
BAD_BS_MULT	kern/kernel/spline/agspline/bs3_crv/bs3_crv.msg "knot multiplicity too large for spline"
BAD_COEDGE_RING	bool/boolean/kernbool/boolean/boolean.msg "cannot pair up coedges at vertex"
BAD_CONTAINMENT	bool/boolean/kernbool/boolean/boolean.msg "inconsistent containment of intersection curve"
BAD_CURVE	kern/kernel/kerndata/data/data.msg "attempt to create CURVE record"
BAD_DEGENERACIES	kern/kernel/sg_husk/api/sgapi.msg "degenerate edges on a surface"
BAD_DELETE_ALL_STATES	kern/kernel/kerndata/bulletin/bulletin.msg "invalid links during delete"
BAD_DELETE_BB	kern/kernel/kerndata/bulletin/bulletin.msg "deleting bulletin board – not in list"
BAD_DIMENSION	kern/kernel/spline/agspline/bs3_srf/bs3_srf.msg "spline with incorrect dimensionality in save file"
BAD_DISCARD_SIZE	base/baseutil/mmgr/mmgr.msg "Freelist slot length mismatch in discard"
BAD_DISPOSAL	bool/boolean/kernbool/boolean/boolean.msg "unexpected disposal value for double-sided face"
BAD_ENTITY	kern/kernel/kerndata/data/data.msg "attempt to create ENTITY record"
BAD_ENTITY_ID	kern/kernel/kerndata/savres/savres.msg "malformed entity identifier"
BAD_FACE_IN_BODY_EDGE_CRUMBLE	bool/boolean/kernbool/boolean/boolean.msg "Adjacent body edges do not have common vertex on this face"
BAD_FACE_OWNERSHIP	bool/boolean/kernbool/boolean/boolean.msg "face not owned by owner"
BAD_FACE_SPLIT	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg "Preprocessor unable to split face"
BAD_FACE_UV_BOX_CACHE	kern/kernel/sg_husk/face/faceutil.msg "uv box cached in face is incorrect."
BAD_GEDGE_COUNT	law/lawutil/main_law.msg "The gedge destructor was called with a non-zero use count."
BAD_GRAPH_COUNT	law/lawutil/main_law.msg "The graph destructor was called with a non-zero use count."
BAD_GUIDE_OWNER	covr/cover/repair_husk/acovr.msg "Owner of guide curves must be a body"
BAD_GVERTEX_COUNT	law/lawutil/main_law.msg "The gvertex destructor was called with a non-zero use count."

BAD_INT_EDGE	bool/boolean/kernbool/boolean/boolean.msg “intersection edge with no INTEDGE attribute”
BAD_INT_VERTEX	bool/boolean/kernbool/boolean/boolean.msg “intersection vertex with bad or no attributes”
BAD_ISO_VERTEX	intr/intsct/kernbody/faceprop/faceprop.msg “coedge on isolated vertex has partner”
BAD_ISO_VERT_REL	bool/boolean/kernbool/boolean/boolean.msg “inconsistent relationships at a non-manifold vertex”
BAD_KNOT_ORDER	kern/kernel/sg_husk/net/net.msg “The knot values neither increase nor decrease.”
BAD_LAW_DATA_USE_COUNT	law/lawutil/main_law.msg “The law_data destructor was called with a non-zero use count.”
BAD_LAW_USE_COUNT	law/lawutil/main_law.msg “The law destructor was called with a non-zero use count.”
BAD_LOOP_OWNERSHIP.....	bool/boolean/kernbool/boolean/boolean.msg “loop not owned by owner”
BAD_LOOP_TYPE_CACHE.....	kern/kernel/geomhusk/geomhusk.msg “loop type cached in loop is incorrect.”
BAD_ORDER	kern/kernel/kernint/intsfsf/intsfsf.msg “start and end points reversed on curve”
BAD_ORIGINS	intr/intsct/kernbody/massprop/massprop.msg “attempt to sum mass properties with differing origins”
BAD_OWNER.....	covr/cover/repair_husk/acovr.msg “Owner of the circuits must be a body”
BAD_PCURVE	kern/kernel/kerndata/data/data.msg “attempt to create PCURVE record”
BAD_PRODUCT_ID.....	kern/kernel/kerndata/savres/savres.msg “could not save, the product id in Fileinfo must be populated with a name”
BAD_REALLOC	base/baseutil/mmgr/mmgr.msg “Reallocation of object already allocated”
BAD_RELINK_ENTITY.....	bool/boolean/kernbool/boolean/boolean.msg “attempt to relink other than vertex or wire”
BAD_REQUEST	base/baseutil/mmgr/mmgr.msg “Request for zero or negative length free store”
BAD_RESTORE_FILE	kern/kernel/kerndata/savres/savres.msg “could not open restore file”
BAD_RESTORE_LOCALE.....	kern/kernel/kerndata/savres/savres.msg “Unsupported restore_locale option specified”
BAD_SAVE_FILE	kern/kernel/kerndata/savres/savres.msg “could not open save file”
BAD_SAVE_FORMAT	kern/kernel/sg_husk/vrbln/vrbln.msg “Unable to save variable radius blends in the requested file format”
BAD_SAVE_VERSION	kern/kernel/kerndata/savres/savres.msg “save file version illegal or later than current”

BAD_SINGULARITIES	law/lawutil/main_law.msg “The singularities on the law are bad”
BAD_SPIRAL_START	law/lawutil/main_law.msg “The start of the spiral is specified on the normal axis, use a zero start radius to accomplish”
BAD_SPLINE_APPROX.....	kern/kernel/sg_husk/net/net.msg “Bad spline approximation”
BAD_SPLINE_OFFSET	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “inconsistent spline offset results”
BAD_SPLIT_PARAM	bool/boolean/sg_husk/split/split.msg “specified split parameter is outside surface range”
BAD_SURFACE	kern/kernel/kerndata/data/data.msg “attempt to create SURFACE record”
BAD_TAG	kern/kernel/kerndata/bulletin/bulletin.msg “tag id is not valid in history stream”
BAD_TAG_CREATE	kern/kernel/kerndata/data/data.msg “creating an ATTRIB_TAG when annotations turned off”
BAD_TANGENT	kern/kernel/kergeom/curve/curve.msg “curve with a tangent vector of zero length”
BAD_TAN_DIR	kern/kernel/kernint/intsfsf/intsfsf.msg “cannot find two limiting directions at a tangency”
BAD_TORUS_RADII	kern/kernel/geomhusk/geomhusk.msg “Abs value of major radius greater than minor radius and major radius < 0”
BAD_UNITS	kern/kernel/kerndata/savres/savres.msg “could not save, the units in Fileinfo must be valid”
BAD_UPDATE	kern/kernel/kergeom/surface/surface.msg “No b-spline was found for the update”
BAD_UV_NET_DIR	kern/kernel/sg_husk/net/net.msg “Surface U and V are in the same or opposite direction.”
BAD_VAR_BLEND.....	kern/kernel/sg_husk/vrbln/vrbln.msg “Possibly corrupt variable radius blend – should be reapplied”
BEND_ADD_ONE_REGION	warp/warphusk/warpapi.msg “One more bending position is added in addition to given position(s)”
BEND_ADD_REGIONS	warp/warphusk/warpapi.msg “More bending positions are added in addition to given position(s)”
BEND_COMPRESS.....	warp/warphusk/warpapi.msg “The bending configuration will compress/invalidate the entity.”
BEND_INTO_AXIS	warp/warphusk/warpapi.msg “Bending direction parallel to bending axis.”
BEND_NOT_IMPLEMENTED	warp/warphusk/warpapi.msg “NYI”
BEND_NOT_NEEDED	warp/warphusk/warpapi.msg “No faces or wires are bent under given configuration.”

BEND_NOT_ORTHO	warp/warphusk/warpapi.msg “Bending direction is not perpendicular to the bending axis.”
BEND_OUTSIDE_ENTITY	warp/warphusk/warpapi.msg “One or more of the specified points is in an invalid region.”
BEND_OUTSIDE_REGION	warp/warphusk/warpapi.msg “Specified point(s) not within bending region.”
BEND_PARAM_NOT_AGREE	warp/warphusk/warpapi.msg “Radius*Angle (in radian) is not equal to Width.”
BEND_PARAM_NOT_POSITIVE	warp/warphusk/warpapi.msg “Invalid combination of bending radius, width, and angle.”
BL_ASSERTION_VIOLATED	blnd/blend/kernbool/blending/blending.msg “Blending assertion violated”
BL_ATTRIB_BAD_PROC	blnd/blend/kernbool/blending/blending.msg “Illegal procedure attempted for blend attribute”
BL_BAD_INTERCEPT	blnd/blend/kernbool/blending/blending.msg “cannot find body edge to trim spring curve during capping.”
BL_BAD_LOOP	blnd/blend/kernbool/blending/blending.msg “Bad loop created during blending”
BL_BAD_REVERSE	blnd/blend/kernbool/blending/blending.msg “bad surface surface intersections during capping”
BL_BAD_SLICES	kern/kernel/sg_husk/vrbln/vrbln.msg “error during variable radius marching”
BL_BAD_SPINE	blnd/blend/kernbool/blending/blending.msg “cannot iterate to spine pt. ”
BL_BAD_VBL_BNDRY	blnd/blend/kernbool/blending/blending.msg “vertex blend boundary is malformed or unsuitable”
BL_BAD_ZERO_BL_ED	blnd/blend/kernbool/blending/blending.msg “incompatibly blended edge at bi-blend vertex”
BL_BLEND_FACES_INTSECT	blnd/blend/kernbool/blending/blending.msg “Blend sheet is self-intersecting and cannot be resolved”
BL_BLEND_NPER_RAD_FCN	blnd/blend/kernbool/blending/blending.msg “Periodic edge with variable radius function that is not periodic”
BL_BLEND_TOO_BIG	blnd/blend/kernbool/blending/blending.msg “blend radius too big for adjacent face, or edge curvature”
BL_CANNOT_REORDER	blnd/blend/kernbool/blending/blending.msg “blends too complex to reorder”
BL_CAP_COMPLEX	blnd/blend/kernbool/blending/blending.msg “could not find acceptable sequence of capping faces to trim blend face”
BL_CHAMFER_NOT_IMPL	blnd/blend/kernbool/blending/blending.msg “chamfer case not implemented”
BL_CHAMFER_TOO_BIG	blnd/blend/kernbool/blending/blending.msg “chamfer offset too big”

BL_CHAMF_3PTS_ALIGNED	blnd/blend/kernbool/blending/blending.msg “cannot create a chamfer plane as 3 defining pints lie on a straight line”
BL_CHAMF_BAD_GRAPH	blnd/blend/kernbool/blending/blending.msg “cannot chamfer vertex: bad intersection graph (bad offset or invalid convexity?)”
BL_CHAMF_CUT_BODY	blnd/blend/kernbool/blending/blending.msg “chamfer of a concave vertex intersects unrelated faces above the vertex”
BL_CHAMF_CUT_VOID	blnd/blend/kernbool/blending/blending.msg “chamfer of a convex vertex cuts a void beneath the vertex”
BL_CHAMF_EDGE_ERR	blnd/blend/kernbool/blending/blending.msg “vertex does not belong to the edge used to specify ooffset”
BL_CHAMF_ERR	blnd/blend/kernbool/blending/blending.msg “unable to find spine (blend too big ?)”
BL_CHAMF_NO_GOOD_EDGES	blnd/blend/kernbool/blending/blending.msg “cannot find 3 suitable edges to position the chamfer plane”
BL_CHAMF_SPRING_ERR	blnd/blend/kernbool/blending/blending.msg “unable to find spring curve (offset too big?)”
BL_CHAMF_VRTX_IN_PLANE	blnd/blend/kernbool/blending/blending.msg “chamfer plane cannot pass through the vertex being chamfered”
BL_CHG_PT_COMPLEX_EDGE	blnd/blend/kernbool/blending/blending.msg “Geometric configuration around change point on edge too complex”
BL_CHG_PT_COMPLEX_FACE	blnd/blend/kernbool/blending/blending.msg “Geometric configuration around change point on face too complex”
BL_CHG_PT_COMPLEX_VERT	blnd/blend/kernbool/blending/blending.msg “Geometric configuration around change point on vertex too complex”
BL_CI_NOT_FINITE	blnd/blend/kernbool/blending/blending.msg “curve–interval must be finite”
BL_CURVES_DIFFER	blnd/blend/kernbool/blending/blending.msg “operator requires curve–intervals on the same curve”
BL_CUSP_GEOM_TOO_CMPLX	blnd/blend/kernbool/blending/blending.msg “cusplate geometry too complex to blend”
BL_DO_M_SH_ED_CP_SG_ERR	blnd/blend/kernbool/blending/blending.msg “Blend do mitre sheet end comp signaling error.”
BL_EMPTY_INT_GRAPH	blnd/blend/kernbool/blending/blending.msg “bad wire body present”
BL_EMPTY_MARCH_INT	kern/kernel/sg_husk/vrbln/vrbln.msg “interval of working curve to be marched is empty”
BL_EMPTY_SEQUENCE	blnd/blend/kernbool/blending/blending.msg “no edges in sequence”

BL_EMPTY_SHEET	blnd/blend/kernbool/blending/blending.msg “empty sheet body made”
BL_END_TOO_CMPLX	blnd/blend/kernbool/blending/blending.msg “geometry or topology at end of blend too complex”
BL_FACES_NOT_SET	blnd/blend/kernbool/blending/blending.msg “left face, right face, or defining plane is not set”
BL_FLD_INT_BLD_BIG	blnd/blend/kernbool/blending/blending.msg “Surface–surface intersection failed. Blend may be too big.”
BL_FOUR_ED_MXD	blnd/blend/kernbool/blending/blending.msg “blends must be same width at 4–edge mixed cvxty vertex”
BL_GEOM_CONSTRUCTION_FAILED	kern/kernel/sg_husk/vrbln/vrbln.msg “unable to construct Acis geometry for blend”
BL_GEOM_TOO_CMPLX	blnd/blend/kernbool/blending/blending.msg “geometry too complex to blend (blend may be too big)”
BL_INCOMP_RADII_AT_MERGE_VERTEX ...	blnd/blend/kernbool/blending/blending.msg “Incompatible (different) blend radii across a mergeable vertex.”
BL_INCONS_SHEET	blnd/blend/kernbool/blending/blending.msg “consistent sheet face cannot be built (check smooth intercepts?)”
BL_INTERNAL_ERR	blnd/blend/kernbool/blending/blending.msg “Blending internal error”
BL_INT_OFF_CURVE	blnd/blend/kernbool/blending/blending.msg “start or end intersection not on intersection curve”
BL_MARCH_FAILED	kern/kernel/sg_husk/vrbln/vrbln.msg “marching failed for variable radius blend”
BL_MITRE_AWRY	blnd/blend/kernbool/blending/blending.msg “cannot find mitre details where open sheet ends meet”
BL_MITRE_TOO_CMPLX	blnd/blend/kernbool/blending/blending.msg “mitred vertex too complex to process”
BL_NARROW_SUPPORT	blnd/blend/kernbool/blending/blending.msg “Support face is too narrow to accomodate the blend.”
BL_NEG_RADIUS	kern/kernel/sg_husk/vrbln/vrbln.msg “Zero or negative radius encountered”
BL_NON_EDVERT	blnd/blend/kernbool/blending/blending.msg “blended entities must be edges or vertices”
BL_NON_MAN_EDVERT	blnd/blend/kernbool/blending/blending.msg “non–manifold edge or vertex in or near blend”
BL_NON_U_CVXTY	blnd/blend/kernbool/blending/blending.msg “cannot blend a partly–convex, partly–concave edge”
BL_NOT_IMPLM	blnd/blend/kernbool/blending/blending.msg “this blend not yet implemented”
BL_NOT_SINGLE_SOLID	blnd/blend/kernbool/blending/blending.msg “all edges in a smooth sequence must belong to a single solid”
BL_NO_BLEND_EDGE	kern/kernel/sg_husk/vrbln/vrbln.msg “unable to find blended edge for variable radius blend”

BL_NO_CAP	blnd/blend/kernbool/blending/blending.msg “no capping faces could be found”
BL_NO_CAP_EXTN	blnd/blend/kernbool/blending/blending.msg “geometry extention failure in capping”
BL_NO_CLEAN_INT	blnd/blend/kernbool/blending/blending.msg “no clean intersection between capping face and sheet face”
BL_NO_CUTS_MIXED	blnd/blend/kernbool/blending/blending.msg “cannot adjust lateral edge end with mixed convexity”
BL_NO_DEF_CURVE	kern/kernel/sg_husk/vrbln/vrbln.msg “unable to find defining curve for variable radius blend”
BL_NO_FACES_OR_BODY	blnd/blend/kernbool/blending/blending.msg “cannot find face(s) to place flat on”
BL_NO_FACE_AT_VERT	blnd/blend/kernbool/blending/blending.msg “cannot find lateral face at end vertex”
BL_NO_INIT	blnd/blend/kernbool/blending/blending.msg “call to initialise_blend_one omitted”
BL_NO_MATE	blnd/blend/kernbool/blending/blending.msg “mating topology or geometry for vertex blend not found”
BL_NO_MITRE_MIXED	blnd/blend/kernbool/blending/blending.msg “can only mitre edges of the same convexity”
BL_NO_PIPES	blnd/blend/kernbool/blending/blending.msg “new algorithms do not support pipes – rb_replace_pipe should be ON”
BL_NO_PROJ_CUR	blnd/blend/kernbool/blending/blending.msg “no projection curve during imprint”
BL_NO_SHEET_SURF	blnd/blend/kernbool/blending/blending.msg “sheet surface is missing”
BL_NO_SPR_CUR_INT	blnd/blend/kernbool/blending/blending.msg “spring curves do not intersect”
BL_NO_VTX_GEOM	blnd/blend/kernbool/blending/blending.msg “no vertex blend geom created”
BL_NO_X_CURVE	blnd/blend/kernbool/blending/blending.msg “cannot find cross curve (blend too big?)”
BL_OBLIQUECRVS_NOT_SAVED	blnd/blend/kernbool/blending/blending.msg “cannot save oblique cross curve data on blend”
BL_ON_PROP_EDGE	blnd/blend/kernbool/blending/blending.msg “a blended edge may not have the same face on each side”
BL_ON_SH_BNDRY	blnd/blend/kernbool/blending/blending.msg “a blend may not be set on the boundary of a sheet body”
BL_OWNER_NOT_EDGE	blnd/blend/kernbool/blending/blending.msg “blend attribute’s owner must be an EDGE”
BL_POINT_CUR	blnd/blend/kernbool/blending/blending.msg “error in point_cur”
BL_POINT_CUR_SURF	blnd/blend/kernbool/blending/blending.msg “error in point_cur_surf”

BL_RADIUS_CALIBRATION	kern/kernel/sg_husk/vrbln/vrbln.msg “unable to calibrate radius function”
BL_SETBACK_MISSING	blnd/blend/kernbool/blending/blending.msg “a zero-sized blend should be set back at a blended vertex”
BL_SETBACK_TOO_LARGE	blnd/blend/kernbool/blending/blending.msg “combination of edge setbacks is longer than the edge”
BL_SMOOTH_EDGE	blnd/blend/kernbool/blending/blending.msg “cannot blend a smooth edge”
BL_SMOOTH_LATERAL	blnd/blend/kernbool/blending/blending.msg “unblended smoothly connected lateral edge(s) at 4-edge mixed cvxty vertex”
BL_STOPS_NOT_SAVED	blnd/blend/kernbool/blending/blending.msg “cannot save stopping angle for old version”
BL_STOP_CMPLX	blnd/blend/kernbool/blending/blending.msg “location for stopping blend too complex”
BL_TOO_MANY_SM_EDS	blnd/blend/kernbool/blending/blending.msg “too many smooth edges at bi-blend vertex”
BL_TRANS_COMPLEX_EDGE	blnd/blend/kernbool/blending/blending.msg “Transition from edge onto next entity too complex to determine”
BL_TRANS_COMPLEX_FACE	blnd/blend/kernbool/blending/blending.msg “Transition from face onto next entity too complex to determine”
BL_TRANS_COMPLEX_VERTEX	blnd/blend/kernbool/blending/blending.msg “Transition from vertex onto next entity too complex to determine”
BL_UNBL_VERTEX	blnd/blend/kernbool/blending/blending.msg “cannot assign vertex blend to a bi-blend vertex”
BL_UNFIN_SHEET	blnd/blend/kernbool/blending/blending.msg “unable to complete sheet – blend may be too big”
BL_UNKNOWN_BLEND	blnd/blend/kernbool/blending/blending.msg “blend of unknown type or on unexpected entity”
BL_UNKNOWN_CVXTY	blnd/blend/kernbool/blending/blending.msg “unknown convexity”
BL_VTX_EDGE_UNBL	blnd/blend/kernbool/blending/blending.msg “an edge at a general vertex blend should be blended”
BL_VTX_NOT_IN_LIST	blnd/blend/kernbool/blending/blending.msg “must fix blended vertex and its blended edge together”
BODY_EDGE_CRUMBLE	intr/intersct/kerndata/makeint/makeint.msg “coincident face_face_ints with different body edges”
BODY_NO_SHELLS	bool/boolean/kernbool/boolean/boolean.msg “boolean operation on body with no shells”
BODY_VERTEX_CRUMBLE	intr/intersct/kerndata/makeint/makeint.msg “coincident face_face_ints with different body vertices”
BOUNDED_SURFACE_ERROR	kern/kernel/kernegeom/surface/surface.msg “save file version too early for bounded surface”

BOX_WARP_DOMAIN	law/lawutil/main_law.msg "The domain of box-warp-law is $0 < x < 1$ in all 3 dimensions"
BS3_COI_VERTS	kern/kernel/sg_husk/api/sgapi.msg "error in control point coincidence"
BS3_CURVE_NULL	kern/kernel/sg_husk/api/sgapi.msg "edge has no underlying BS3 curve"
BS3_INCORRECT_DIMENSION	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg "bs3_curve dimension must be 1, 2, or 3"
BS3_SURF_NULL	kern/kernel/sg_husk/api/sgapi.msg "face has no underlying BS3 surface"
BS_ACCURACY	law/lawutil/main_law.msg "The bs3_surface is not within the requested tolerance."
BULLETIN_NOT_ON_BOARD	kern/kernel/kerndata/bulletin/bulletin.msg "remove bulletin from bulletin board it was not on"
BULLETIN_SEQUENCE	kern/kernel/kerndata/bulletin/bulletin.msg "Bulletins out of sequence after merge"
CALL_TO_BUY_OPER	kern/kernel/geomhusk/geomhusk.msg "OPER component is not installed."
CANNOT_DO_SURFACE	intr/intersct/kernbody/massprop/massprop.msg "surface unsuitable for current mass property code"
CANT_BUILD_ELEM_LOOP	kern/kernel/meshhusk/mesh/mesh.msg "unable to construct closed loop on boundary element"
CANT_FIND_NEW_TRI	kern/kernel/meshhusk/mesh/mesh.msg "unable to find valid node in retriangulation algorithm"
CANT_WRITE_MESH	kern/kernel/meshhusk/surface/meshsur.msg "cannot save out mesh class in old version format"
CHAIN_BAD_ORDER	kern/kernel/sg_husk/sweep/sweep.msg "The chain of coedges to be swept are not connected properly."
CHAIN_BRANCHING	kern/kernel/sg_husk/sweep/sweep.msg "The chain of coedges to be swept have branches."
CHAIN_NO_ENDS	kern/kernel/sg_husk/sweep/sweep.msg "The chain of coedges to be swept do not end."
CHAIN_NO_OWNER	kern/kernel/sg_husk/sweep/sweep.msg "The chain of coedges to be swept have no owner."
CHAIN_PARALLEL_PATH	kern/kernel/sg_husk/sweep/sweep.msg "The chain to be swept is parallel to the path"
CHANGE_DEFAULT_UNBALANCED_BB	kern/kernel/kerndata/bulletin/bulletin.msg "changing the default stream when bulletin board nesting unbalanced"
CHANGE_LOST_ENT	kern/kernel/kerndata/data/data.msg "attempt to change record marked as deleted"
CHANGE_PLANE_U_DERIV	kern/kernel/kernegeom/surface/surface.msg "WARNING: bad u parametrization vector on plane has been changed"

CHANGE_TORUS_UV_ORIGIN	kern/kernel/kernegeom/surface/surface.msg “WARNING: bad uv origin vector on torus has been changed”
CHECK_BAD_EE_INT	bool/boolean/sg_husk/sanity/check.msg “improper edge/edge intersection”
CHECK_BAD_FF_COIN	bool/boolean/sg_husk/sanity/check.msg “improper face/face coincidence”
CHECK_BAD_FF_INT	bool/boolean/sg_husk/sanity/check.msg “improper face/face intersection”
CHECK_BAD_LUMP_CONT	bool/boolean/sg_husk/sanity/check.msg “improper lump containment”
CHECK_BAD_SHELL_CONT	bool/boolean/sg_husk/sanity/check.msg “improper shell containment”
CHECK_FAILED_FF_INT	bool/boolean/sg_husk/sanity/check.msg “intersection failure”
CHECK_UNINIT	intr/intersct/sg_husk/sanity/sanity.msg “error uninitialized”
CHORD_NOT_PERP	cstr/constrect/kernwire/wire/wire.msg “segment chord not perpendicular to normal”
CLEAR_UNBALANCED_BB	kern/kernel/kerndata/bulletin/bulletin.msg “HISTORY_STREAM::clear() when bulletin board nesting unbalanced”
CLOSED_EDGE	cstr/constrect/kernwire/ewire/ewire.msg “Closed edge in multi-edge wire”
CLOSED_EXTENSION	kern/kernel/kernegeom/intcur/intcur.msg “attempt to extend closed curve”
CLOSED_LOOP	intr/intersct/kernint/divcon/divcon.msg “Unexpected closed loop in divide-and-conquer”
CMPLX_PROF	kern/kernel/sg_husk/sweep/sweep.msg “Sweep profile too complex for sweep with draft”
COEDGES_OUT_OF_ORDER	kern/kernel/kerndata/savres/savres.msg “coedges are out of order on loop”
COEDGE_NO_EDGE	kern/kernel/kerndata/top/top.msg “coedge has a NULL edge pointer”
COEDS_DIFF_FACE	eulr/euler/kerndata/euler/euler.msg “given coedges must belong to the same face”
COINCIDENT_FACES	stitch/stchhusk/stitch/stchutil/stitchr.msg “Attempting to stitch coincident faces is not allowed”
COINCIDENT_POINTS	kern/kernel/geomhusk/geomhusk.msg “Coincident points”
COINCIDENT_WIRE	bool/boolean/kernbool/boolean/boolean.msg “cannot yet handle embedded wires”
COIN_ERROR	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “Unable to remove coincident points with the given knot vector.”
COLLINEAR_POINTS	kern/kernel/geomhusk/geomhusk.msg “Collinear points”

COMP_W_DRAFT	kern/kernel/sg_husk/sweep/sweep.msg "Complete sweep with draft"
CONST_WITH_THUMBWTS.....	abl/abl_scm/ablscm.msg "Cannot do const_radius ent_ent blends with thumbweights"
CONT_CRUMBLE	intr/intersct/kerndata/makeint/makeint.msg "inconsistent containments on coincident face_face_ints"
CORNER_TANGENCY	intr/intersct/kernint/divcon/divcon.msg "Special tangency case not yet implemented"
CORRUPT_BB	kern/kernel/kerndata/bulletin/bulletin.msg "Current bulletin board is corrupt."
CORRUPT_STREAM	kern/kernel/kerndata/bulletin/bulletin.msg "live entity on stream points to dead or deleted entity"
COULD_NOT_COVER.....	covr/cover/sg_husk/cover/cover.msg "Cover failed to make a surface"
COULD_NOT_FILLET	law/lawutil/main_law.msg "The requested fillet could not be made"
COVER_FACE_NULL.....	kern/kernel/sg_husk/sweep/sweep.msg "Unable to cover wires for sweep."
CROSS_NOT_TAN	kern/kernel/kernint/intsfst/intsfst.msg "crossing point found when tangency expected"
CRVS_DO_NOT_INT	kern/kernel/sg_husk/net/net.msg "Net curves do not intersect within net surface tolerance"
CRVS_INT_CROSS	kern/kernel/sg_husk/net/net.msg "Net curves intersections are not monotonic"
CURCUR_NOT_IMPL	intr/intersct/kernint/intcucu/intcucu.msg "curve-curve intersection not implemented yet"
CURVE_BAD_CLOSURE.....	kern/kernel/sg_husk/api/sgapi.msg "curve closure is wrong"
CURVE_IRREGULAR.....	kern/kernel/sg_husk/api/sgapi.msg "twisted or scrunched up curve"
CURVE_NON_C1	kern/kernel/sg_husk/api/sgapi.msg "curve is not C1"
CURVE_NON_G0	kern/kernel/sg_husk/api/sgapi.msg "curve is not G0"
CURVE_NON_G1	kern/kernel/sg_husk/api/sgapi.msg "curve is not G1"
CURVE_NON_G2	kern/kernel/sg_husk/api/sgapi.msg "curve is not G2"
CURVE_NOT_SPLIT	cstr/constct/geomhusk/geomhusk_cstr.msg "Edge could not be split"
CURVE_REMESH_NOT_IMPL	kern/kernel/meshhusk/mesh/mesh.msg "remeshing on curved intersections is not implemented"
CURVE_SELF_INTER	kern/kernel/sg_husk/api/sgapi.msg "self-intersecting curve"
DEEP_COPY_MESH_NOT_IMPLEMENTED. . .	kern/kernel/meshhusk/surface/meshsur.msg "deep_copy mesh not implemented"

DEEP_COPY_PATTERN_FILLED_PTR.....	kern/kernel/kerndata/savres/savres.msg “Deep copy contains pointer that has been pattern filled.”
DEEP_COPY_TEST_NON_DEBUG.....	kern/kernel/kerndata/savres/savres.msg “Test:deep-copy does not pattern fill in non-DEBUG builds of ACIS.”
DEEP_COPY_UNSUPPORTED	kern/kernel/kerndata/savres/savres.msg “Attempt to deep copy an unsupported entity.”
DEF_EDGE_NOT_SELECTED.....	abl/abl_scm/ablscm.msg “Def edge must be selected for var radius ent-ent blending”
DEGENERATE_EDGE	kern/kernel/sg_husk/api/sgapi.msg “edge is degenerate”
DEGENERATE_FACE	kern/kernel/sg_husk/api/sgapi.msg “face is degenerate”
DETECT_PCURVE_TROUBLE	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg “Gap in pcurves”
DETECT_SPLIT_EDGE	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg “Split edge is processed as visible”
DIAG_FAILED	intr/intersct/kernbody/massprop/massprop.msg “diagonalisation of inertial tensor not completed”
DIAG_NEG	intr/intersct/kernbody/massprop/massprop.msg “one or more diagonal terms not positive”
DIFFICULT_CONFIGURATION	kern/kernel/kernint/intsf/sf/intsf.msg “special-case method cannot handle this case”
DIFF_GEOM_COND.....	bool/boolean/kernbool/boolean/boolean.msg “Difficult geometric condition encountered and handled”
DIRTY_WIRE	kern/kernel/sg_husk/sweep/sweep.msg “Coedge has a partner. Try cleanwire before sweeping.”
DISASTER.....	intr/intersct/kernint/divcon/divcon.msg “Unable to find split parameter for divide-and-conquer”
DISCONNECTED_WIRE	cstr/construct/geomhusk/geomhusk_cstr.msg “Edges for wire are not connected”
DISCONN_EDS.....	covr/cover/sg_husk/cover/cover.msg “edge circuit is not connected”
DISCONTINUOUS_CURVE	kern/kernel/kerngeom/intcur/intcur.msg “curve is broken into two discontinuous pieces”
DOUBLE_ALLOC.....	base/baseutil/mmgr/mmgr.msg “Attempt to allocate an already allocated object”
DOUBLE_DELETE.....	base/baseutil/mmgr/mmgr.msg “Attempt to delete an already deleted object”
DRAFT_ON_SMOOTH.....	kern/kernel/sg_husk/sweep/sweep.msg “Draft Sweep for curved Path”
DRAFT_REPAIR	kern/kernel/sg_husk/sweep/sweep.msg “A topology change was caused by drafting”
DR_ANGLE_OR	kern/kernel/sg_husk/sweep/sweep.msg “The Draft angle results in a self intersecting body”
DS_ADMICON_ACIS_ERROR	adm/admhusk/ds2acis/ds2acis.msg “Admicon library returned an acis error”

DS_API_BAD_PATCH_DOMAIN	adm/admhusk/ds2acis/ds2acis.msg “patch domain not contained by parent or overlaps a sibling patch”
DS_API_NOT_A_QUAD_PATCH	adm/admhusk/ds2acis/ds2acis.msg “input face not a quad patch”
DS_API_NOT_A_ROOT_SIBLING	adm/admhusk/ds2acis/ds2acis.msg “input tag is not a sibling of the root dmod”
DS_API_NOT_COMMITTED	adm/admhusk/ds2acis/ds2acis.msg “Must commit before performing this operation”
DS_API_NOT_FACE_OR_EDGE	adm/admhusk/ds2acis/ds2acis.msg “entity not sculptable (not a face or edge)”
DS_API_NOT_IN_HIERARCHY	adm/admhusk/ds2acis/ds2acis.msg “tgt_dmod value not a dmod tag value”
DS_API_NO_ATTRIB_DM2ACIS	adm/admhusk/ds2acis/ds2acis.msg “input attrib_dm2acis == NULL”
DS_ARRAY_OUT_OF_BOUNDS	adm/admhusk/ds2acis/ds2acis.msg “DM array out of bounds”
DS_BAD_ALPHA_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad Alpha Vals – must be 0 or positive”
DS_BAD_ATTRIB_TYPE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, unsupported attrib type seen”
DS_BAD_BETA_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad Beta Vals – must be 0 or positive”
DS_BAD_BULLETIN_TYPE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, unsupported bulletin type seen”
DS_BAD_CASCADE_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad cascade flag value = must be 0, 1, or 2”
DS_BAD_CASCADE_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad cascade value – must be 0 to 3”
DS_BAD_CIRC_PARAM_VALUE	adm/admhusk/ds2acis/ds2acis.msg “circ param values must be from 0 to 2Pi”
DS_BAD_CIRC_SHAPE	adm/admhusk/ds2acis/ds2acis.msg “Specified circ degenerates to a line – axes are parallel or zero length”
DS_BAD_CIRC_TAG_FLAG	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Bad circ tag flag – must be 1:add cstrn, 2:add load”
DS_BAD_CONTINUITY_VALUE	adm/admhusk/ds2acis/ds2acis.msg “bad continuity flag – must be 0=C0, 1=C1, 2=C2, or -1 to toggle C0,C1,C2”
DS_BAD_CONT_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “input cont_flag must be 1 (elevate cont) or 0 (preserve cont)”
DS_BAD_CRV_CSTRN_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad curve constraint – domain_dim != 1”
DS_BAD_CRV_LOAD_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad curve load – domain_dim != 1”

DS_BAD_CRV_TOLERANCES	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Can’t commit because curve constraint tolerances are too large”
DS_BAD_CSTRN_BEHAVIOR	adm/admhusk/ds2acis/ds2acis.msg “Incorrect behavior setting: use DM_NORM to specify surface normal constraint”
DS_BAD_CSTRN_CHANGE	adm/admhusk/ds2acis/ds2acis.msg “requested cstrn state change prohibited for this cstrn”
DS_BAD_CSTRN_TYPE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, unsupported constraint type seen”
DS_BAD_CSTRN_VAL_SIZE	adm/admhusk/ds2acis/ds2acis.msg “input cstrn_val_size is not correct for the selected constraint behavior”
DS_BAD_CURVATURE_VALUE	adm/admhusk/ds2acis/ds2acis.msg “input curvature value must be zero or positive”
DS_BAD_DAMP_VALUE	adm/admhusk/ds2acis/ds2acis.msg “input damp value has to be 0.0 or larger”
DS_BAD_DEGREE_VALUE	adm/admhusk/ds2acis/ds2acis.msg “requested spline degree must be 0 or greater”
DS_BAD_DELTA_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad Delta Val – must be 0 or positive”
DS_BAD_DIR_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad dir flag – must be 1=project in xy dirs, 2=project in z dir”
DS_BAD_DISP_GAIN_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad disp gain – must not be 0, may be positive or negative”
DS_BAD_DMOD_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “dmod_flag value must be 0, 1, or 2”
DS_BAD_DMOD_TYPE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, unsupported def_model type seen”
DS_BAD_DOMAIN_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad domain dimension – must be 1=curves, 2=surfaces”
DS_BAD_DOMAIN_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “domain_flag values: 0=orig_dmod_space, 1=unit-space, 2=internal_pfunc_space”
DS_BAD_DOMAIN_PT_RANGE	adm/admhusk/ds2acis/ds2acis.msg “Bad input par-pos domain loc – outside the 0 to 1 range”
DS_BAD_DRAW_MESH_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad draw mesh values – must be greater than 0”
DS_BAD_DSGROUP_HIERARCHY	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Failed to find ATTRIB_DSGROUP on ATTRIB_DSMODEL owner”
DS_BAD_DSMODEL_HIERARCHY	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Failed to find ATTRIB_DSMODEL on DSGROUP base member owner”

DS_BAD_DT_VALUE	adm/admhusk/ds2acis/ds2acis.msg "input dt value has to be larger than 0.0"
DS_BAD_ELEM_COUNT	adm/admhusk/ds2acis/ds2acis.msg "Bad elem count – must be greater than 0"
DS_BAD_ELEM_COUNT_VALUE	adm/admhusk/ds2acis/ds2acis.msg "circ elem counts must be 5 or greater"
DS_BAD_ELLIPSE_RANGE	adm/admhusk/ds2acis/ds2acis.msg "requested ellipse does not fit in tgt_dmod"
DS_BAD_END_COND_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad end cond – must be 0=open,1=closed,2=periodic"
DS_BAD_FIT_FLAG	adm/admhusk/ds2acis/ds2acis.msg "Bad fit flag value use 0=fit everywhere,1=fit cstrns,2=ignore tols"
DS_BAD_GEOM_CONDITION	adm/admhusk/ds2acis/ds2acis.msg "Solver error: poorly conditioned surface or pcurve"
DS_BAD_GROUP_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad group_flag – 0=set tag object only,1=set all loads of type"
DS_BAD_IMAGE_DIM_VALUE	adm/admhusk/ds2acis/ds2acis.msg "requested image dim must be larger than 0"
DS_BAD_INC_FLAG	adm/admhusk/ds2acis/ds2acis.msg "DS_error, Bad increment flag – must be 0:set_gain,1:inc_gain"
DS_BAD_INC_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad inc_flag – 0=set value absolutely, 1=set value incrementally"
DS_BAD_INTER_STATE_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad interior state value – must be 0=allow C0, or 1=enforce C1"
DS_BAD_IPT_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad image_pt flag – must be 0:free_pt=dpt_image_pt,1:free_pt=given_pt"
DS_BAD_KNOT_COUNT_VALUE	adm/admhusk/ds2acis/ds2acis.msg "spline knot count must be largert than 0"
DS_BAD_KNOT_TO_CPT_COUNT	adm/admhusk/ds2acis/ds2acis.msg "last knot index value not equal to dof_count + degree – 2"
DS_BAD_LOAD_TYPE	adm/admhusk/ds2acis/ds2acis.msg "DS_error, unsupported load type seen"
DS_BAD_MASS_VALUE	adm/admhusk/ds2acis/ds2acis.msg "input mass value has to be 0.0 or larger"
DS_BAD_MAX_DIST_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad max dist – must be greater than 0.0"
DS_BAD_MERGE	adm/admhusk/ds2acis/ds2acis.msg "Attempting to merge invalid patch faces"
DS_BAD_NEGATE_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg "input negate_flag must be 1=negate or 0=don't"
DS_BAD_NTGRL_DEGREE_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Requested Gauss Integration Degree not available"

DS_BAD_PATCH_AREA	adm/admhusk/ds2acis/ds2acis.msg "Cannot make a patch with a zero domain area"
DS_BAD_PATCH_CONTAINMENT	adm/admhusk/ds2acis/ds2acis.msg "Cannot make a patch which is not contained by its parent"
DS_BAD_PATCH_VERTEX	adm/admhusk/ds2acis/ds2acis.msg "Cannot make a patch with coincident child-parent vertices"
DS_BAD_POLYGON	adm/admhusk/ds2acis/ds2acis.msg "Input points do not specify a valid polygon"
DS_BAD_PT_COUNT_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad point count – must be greater than 0"
DS_BAD_PT_INDEX_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad pt_index value – does not id a valid image_pt in tag object"
DS_BAD_PURE_VIRTUAL_CALL	adm/admhusk/ds2acis/ds2acis.msg "DS_error – ran a base instead of derived pure virtual function"
DS_BAD_REFINEMENT_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Patch knot refinement numbers must greater than or equal to 1"
DS_BAD_SCALE_PARAM_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Scale parameter must be a non-zero number"
DS_BAD_SEAM_NUMBER_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad seam number – must be in range 0 to seam_count – 1"
DS_BAD_SHAPE_DATA	adm/admhusk/ds2acis/ds2acis.msg "DS_error – incompatible ACIS and DS shape types–stopped Commit"
DS_BAD_SHAPE_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad default shape flag – must 0=zero,1=save"
DS_BAD_SHAPE_TYPE	adm/admhusk/ds2acis/ds2acis.msg "DS_error, unsupported ds surface or edge type seen"
DS_BAD_SHIFT_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg "tag_shift_flag vals: 0=don't shift tags, 1=do shift when needed"
DS_BAD_SINGULAR_VALUE	adm/admhusk/ds2acis/ds2acis.msg "Bad singular flag – must be 0=none,1=low_only,2=high_only,3=both"
DS_BAD_SLIDE_STATE	adm/admhusk/ds2acis/ds2acis.msg "Bad input slide_state input value, 0=fixed,1=sliding"
DS_BAD_SPLINE_DEGREE	adm/admhusk/ds2acis/ds2acis.msg "Can't set degree lower than 3"
DS_BAD_SRC_CURVE_TYPE	adm/admhusk/ds2acis/ds2acis.msg "Bad src type – not oneof ds_solid_cstrn, ds_bound_cstrn, ds_user_cstrn, ds_seam_cstrn"
DS_BAD_SRC_DATA_TGT_VALUE	adm/admhusk/ds2acis/ds2acis.msg "tgt value for Src_data calls must be the value 1 or 2"

DS_BAD_SRC_PFUNC_MAPPING	adm/admhusk/ds2acis/ds2acis.msg “a src_pfunc has an improper domain_dim or image_dim value”
DS_BAD_SRC_TYPE_PARENT	adm/admhusk/ds2acis/ds2acis.msg “src_type choice incompatible with parent_dmod value”
DS_BAD_STATE_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad state flag – must be 0=disable cstrn,1=enable cstrn,-1=toggle cstrn”
DS_BAD_SYNTAX_FLAG	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Bad Syntax flag – must be 1:use free_curve,2:line,3:round”
DS_BAD_TAG_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad tag flag argument, must not be zero”
DS_BAD_TAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Bad tag value – must be -1(sys assigns tag) or > 1”
DS_BAD_TOLERANCE_VALUE	adm/admhusk/ds2acis/ds2acis.msg “tolerance values must be larger than 0”
DS_BAD_TYPE_ID_VALUE	adm/admhusk/ds2acis/ds2acis.msg “input DS_TAGS type_id value not a valid DS_dmod type”
DS_BAD_UNITS_FLAG	adm/admhusk/ds2acis/ds2acis.msg “DS_error, max_dist_units must be 0=image_space_dist or 1=active_view_pixels”
DS_BAD_WALK_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “walk_flag not 0 (dmod only), 1 (dmod,offspring), or 2 (dmod,siblings,all offspring)”
DS_BAD_WHICH_DIR_VALUE	adm/admhusk/ds2acis/ds2acis.msg “input which_dir value not valid”
DS_BAD_WUV_WVV_VALUES	adm/admhusk/ds2acis/ds2acis.msg “Wuv_vec and Wvv_vec must be NULL for pt_cstrns on curves”
DS_BAD_ZONE_FLAG_VALUE	adm/admhusk/ds2acis/ds2acis.msg “zone flag value must be 0=zone area moves or 1=zone area fixed”
DS_BSPLN_CONSTRUCT_FAILED	adm/admhusk/ds2acis/ds2acis.msg “Constructor for B-spline object failed”
DS_CANT_RM_ONLY_ROOT_DMOD	adm/admhusk/ds2acis/ds2acis.msg “Cannot use DM_rm_patch to remove last root dmod”
DS_CANT_RM_SRC_DMOD	adm/admhusk/ds2acis/ds2acis.msg “Can’t remove cstrn src_dmod’s this way, use DM_set_cstrn_src_dmods()”
DS_CG_UNCONVERGED	adm/admhusk/ds2acis/ds2acis.msg “Congrad solve failed to converge”
DS_CODE_NOT_COMPLETE	adm/admhusk/ds2acis/ds2acis.msg “Sorry, this function not complete in this Release”
DS_CONFLICTING_CONSTRAINT	adm/admhusk/ds2acis/ds2acis.msg “solve stopped due to a conflicting constraint”
DS_CSTRN_HAS_NO_SRC_PFUNC	adm/admhusk/ds2acis/ds2acis.msg “the crv_cstrn or link_cstrn is not using a src_W_pfunc”

DS_CSTRN_NOT_CONVERTIBLE	adm/admhusk/ds2acis/ds2acis.msg “can’t convert cstrn – not a crv_cstrn or pt_cstrn”
DS_CUSTOMER_ERROR	adm/admhusk/ds2acis/ds2acis.msg “Customer-defined error signalled”
DS_DELETE_A_USED_PFUNC	adm/admhusk/ds2acis/ds2acis.msg “delete was called on a pfunc with a non-zero reference count”
DS_DIVERGENT_JOURNAL_RUN	adm/admhusk/ds2acis/ds2acis.msg “Journal file value differs from journal run value – stopping play”
DS_DMOD_CONSTRUCT_FAILED	adm/admhusk/ds2acis/ds2acis.msg “Constructor for DS_dmod object failed”
DS_DMOD_MISSING_PFUNC	adm/admhusk/ds2acis/ds2acis.msg “input dmod does not contain a valid DS_pfunc object”
DS_DMOD_NOT_A_CURVE	adm/admhusk/ds2acis/ds2acis.msg “Input dmod not a curve as expected”
DS_DMOD_NOT_A_ROOT_DMOD	adm/admhusk/ds2acis/ds2acis.msg “Given dmod not the hierarchy root as expected”
DS_DMOD_NOT_A_SURFACE	adm/admhusk/ds2acis/ds2acis.msg “Input dmod not a surface as expected”
DS_DMOD_NOT_IN_A_DMESH	adm/admhusk/ds2acis/ds2acis.msg “DS_dmod not part of a multi-surface dmesh structure”
DS_EDGE_BELONGS_TO_FACE	adm/admhusk/ds2acis/ds2acis.msg “Edge for deformable modeling must must NOT belong to a face”
DS_ENTITY_NOT_EDGE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, entity not an EDGE as expected”
DS_ENTITY_NOT_FACE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, entity not a FACE as expected”
DS_ENTITY_NOT_INTCURVE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, entity not an INTCURVE as expected”
DS_ENTITY_NOT_SPLINE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, entity not a SPLINE as expected”
DS_FACES_NOT_CONNECTED	adm/admhusk/ds2acis/ds2acis.msg “input multi-surface faces are not connected by at least one edge”
DS_FAILED_FILE_OPEN_READ	adm/admhusk/ds2acis/ds2acis.msg “Designated file failed to open for read”
DS_FAILED_FILE_OPEN_WRITE	adm/admhusk/ds2acis/ds2acis.msg “Designated file failed to open for write”
DS_FILLET_RADIUS_NOT_POS	adm/admhusk/ds2acis/ds2acis.msg “Fillet Radius has to be positive to fit in the shape”
DS_FILLET_RADIUS_TOO_BIG	adm/admhusk/ds2acis/ds2acis.msg “Fillet Radius is too large to fit in shape”
DS_HAS_CHILD	adm/admhusk/ds2acis/ds2acis.msg “Can’t set degree when a child dmod is present”
DS_HAS_PARENT	adm/admhusk/ds2acis/ds2acis.msg “Can’t set degree when a parent dmod is present”

DS_INCORRECT_BEHAVIOR_SPECIFIED	adm/admhusk/ds2acis/ds2acis.msg “Behavior argument should be one of DM_POSITION, DM_TANG, DM_CURVATURE”
DS_INITIALIZE_FAILURE	adm/admhusk/ds2acis/ds2acis.msg “SDM failed to initialize”
DS_INTERNAL_ERROR	adm/admhusk/ds2acis/ds2acis.msg “Unexpected internal error was encountered in Deformable Modeling”
DS_LINK_REQD_ON_EDGE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, add link interface requires edge with existing link”
DS_LOAD_NOT_CONVERTIBLE	adm/admhusk/ds2acis/ds2acis.msg “can’t convert load – not a crv_load, spring, or spring_set”
DS_LOW_DOF_CNT_WARNING	adm/admhusk/ds2acis/ds2acis.msg “DS_warning – low dof count – Consider ds:split-domain”
DS_MISSING_CRV_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “could not find a crv_cstrn to match an ATTRIB_CRV_CSTRN object”
DS_MISSING_SRC_DATA	adm/admhusk/ds2acis/ds2acis.msg “crv_cstrn or link_cstrn curve-shape description inputs are inconsistent”
DS_MIXED_AREA_CSTRN_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad area constraint – zone domain_dim != deformable domain_dim”
DS_MIXED_CRV_CSTRN_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad curve constraint – image_dim != deformable domain_dim”
DS_MIXED_CRV_LOAD_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad domain_curve load – image_dim != deformable domain_dim”
DS_MIXED_DCRV_DIM	adm/admhusk/ds2acis/ds2acis.msg “dcrv’s image_dim not equal to surface’s domain_dim”
DS_MIXED_DOMAIN_DIMS	adm/admhusk/ds2acis/ds2acis.msg “DS_error, tag object and deformable domain dimensions differ”
DS_MIXED_FREE_LOAD_DIM	adm/admhusk/ds2acis/ds2acis.msg “Bad free_curve load – image_dim != deformable image_dim”
DS_MIXED_IMAGE_DIMS	adm/admhusk/ds2acis/ds2acis.msg “DS_error, tag object and deformable image dimensions differ”
DS_MULTI_FACE_NOT_SIMPLE	adm/admhusk/ds2acis/ds2acis.msg “for now; only one-root-sibling faces can be added to mesh network”
DS_MULTI_SURF_EXTRAPOLATE	adm/admhusk/ds2acis/ds2acis.msg “Can’t extrapolate a deformable model within a multi-surface mesh”

DS_NEG_CURVATURE_VALUE	adm/admhusk/ds2acis/ds2acis.msg “Curvature value for curves must be pos or NULL for undefined”
DS_NONMONOTONIC_LINK	adm/admhusk/ds2acis/ds2acis.msg “link dcrvs must be monotonic, dC/ds can not change sign for valid values of s”
DS_NON_BNDRY_QUILT_EDGE	adm/admhusk/ds2acis/ds2acis.msg “Edges between two def faces must be on face’s boundary”
DS_NON_CONVEX_POIYGON	adm/admhusk/ds2acis/ds2acis.msg “Input points do not specify a convex polygon”
DS_NON_NULL_OUTPUT_PTR	adm/admhusk/ds2acis/ds2acis.msg “reference to output array ptrs are not NULL on entry”
DS_NOT_A_BSPLINE	adm/admhusk/ds2acis/ds2acis.msg “input pfunc type not a B-spline as expected”
DS_NOT_A_CIRC	adm/admhusk/ds2acis/ds2acis.msg “input pfunc type not a circ as expected”
DS_NOT_A_CRV_LINK_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “identified constraint is not a curve or link constraint”
DS_NOT_A_JOURNAL_FILE	adm/admhusk/ds2acis/ds2acis.msg “Specified file is not a proper version journal file”
DS_NOT_A_NURB	adm/admhusk/ds2acis/ds2acis.msg “input pfunc type not a NURB as expected”
DS_NOT_A_PT_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “identified constraint is not a point constraint”
DS_NOT_A_ROOT_SIBLING	adm/admhusk/ds2acis/ds2acis.msg “identified target dmod is not a sibling of the root”
DS_NOT_BSPLINE_OR_NURB	adm/admhusk/ds2acis/ds2acis.msg “dmod not a B-spline or nurb shape”
DS_NOT_DSGROUP_BASE	adm/admhusk/ds2acis/ds2acis.msg “DS_error, entity not ATTRIB_DSGROUP base member as expected”
DS_NOT_IN_SAME_DSGROUP	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Two entities not in same DSGROUP as expected”
DS_NOT_IN_SAME_HIERARCHY	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Two entities not in same Patch Hierarchy as expected”
DS_NOT_PARENT_CHILD	adm/admhusk/ds2acis/ds2acis.msg “DS_error, Two entities not are not a Parent-Child Patch as expected”
DS_NOT_USER_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “can’t convert cstrn – it is not a type ds_user_cstrn cstrn”
DS_NO_ACTIVE_DMOD	adm/admhusk/ds2acis/ds2acis.msg “There is no currently active member for the dmod hierarchy”
DS_NO_DOF_CNT_WARNING	adm/admhusk/ds2acis/ds2acis.msg “DS_warning – no dofs left to deform – Use ds:split-domain to add more”

DS_NO_DSGROUP_ATTRIB	adm/admhusk/ds2acis/ds2acis.msg “DS_error, ENTITY does not have an ATTRIB_DSGROUP attribute”
DS_NO_INTERSECTIONS	adm/admhusk/ds2acis/ds2acis.msg “input image_line does not intersect dmod shape”
DS_NO_ROOT_DMOD	adm/admhusk/ds2acis/ds2acis.msg “There is no root member for the dmod hierarchy”
DS_NO_UV_PT_FOR_TAG_OBJ	adm/admhusk/ds2acis/ds2acis.msg “can’t get uv pt for this kind of tag object”
DS_NO_XYZ_PT_FOR_TAG_OBJ	adm/admhusk/ds2acis/ds2acis.msg “can’t get xyz pt for this kind of tag object”
DS_NULL_INPUT_PTR	adm/admhusk/ds2acis/ds2acis.msg “input ptr to an array was NULL on input”
DS_NULL_OUTPUT_PTR	adm/admhusk/ds2acis/ds2acis.msg “required output ptr array is NULL on entry”
DS_PARALLEL_DOMAIN_DIRS	adm/admhusk/ds2acis/ds2acis.msg “the two domain_dir directions must not be parallel”
DS_PARALLEL_PROJECT_DIR	adm/admhusk/ds2acis/ds2acis.msg “set_pt_xyz project dir is parallel to target axis”
DS_PARAMETER_OFF_SURFACE	adm/admhusk/ds2acis/ds2acis.msg “pcurve evaluates off deformable surface”
DS_PATCH_OCCLUDES_ROOT	adm/admhusk/ds2acis/ds2acis.msg “Cannot make a patch which occludes the patch hierarchy root”
DS_PATCH_OVERLAPS_SIBLING	adm/admhusk/ds2acis/ds2acis.msg “Cannot currently make a patch which overlaps an existing sibling”
DS_PFUNC_CONSTRUCT_FAILED	adm/admhusk/ds2acis/ds2acis.msg “Constructor for DS_pfunc object failed”
DS_SEGMENTER_FAILURE	adm/admhusk/ds2acis/ds2acis.msg “Segmenter returned no segments or NULL pointer”
DS_SOLVE_NEVER_CONVERGED	adm/admhusk/ds2acis/ds2acis.msg “solve not converging – large pressure or attractor gains cause chaos”
DS_TAGOBJ_HAS_NO_PARAM	adm/admhusk/ds2acis/ds2acis.msg “DM tag object has no parameterization”
DS_TAGOBJ_NOT_A_CURVE	adm/admhusk/ds2acis/ds2acis.msg “DM tag object not a curve”
DS_TAGOBJ_NO_SRC_PFUNC_OR_FUNC	adm/admhusk/ds2acis/ds2acis.msg “DM tag object has no src pfunc or func”
DS_TAG_NOT_A_DMOD_MEMBER	adm/admhusk/ds2acis/ds2acis.msg “Given tag value does not identify a dmod in the hierarchy”
DS_TAG_NOT_CRV_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “input tag number failed to find a crv_cstrn tag object”
DS_TAG_OBJECT_NOT_FOUND	adm/admhusk/ds2acis/ds2acis.msg “input tag number failed to find tag object of correct type”

DS_TERMINATE_FAILURE	adm/admhusk/ds2acis/ds2acis.msg “SDM failed to terminate”
DS_UNCONTAINED_CHILD	adm/admhusk/ds2acis/ds2acis.msg “Child’s domain is not contained within parent’s domain”
DS_UNDELETABLE_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “can’t remove cstrn – it is undeletable”
DS_UNEVEN_LINK_SPEEDS	adm/admhusk/ds2acis/ds2acis.msg “The speed, $dC1/ds=a*dC2/ds$, between a link_cstrn’s dcrvs must be linearly related”
DS_UNINIT_DOMAIN_DIR	adm/admhusk/ds2acis/ds2acis.msg “Domain direction is uninitialized – see DM_set_cstrn_pttan_uv_dir()”
DS_UNKNOWN_ERROR	adm/admhusk/ds2acis/ds2acis.msg “The DM kernel signalled an unknown error – sorry”
DS_UNLABELLED_ERROR	adm/admhusk/ds2acis/ds2acis.msg “The DM kernel signalled an unlabeled error – sorry”
DS_UNSTOPABLE_CSTRN	adm/admhusk/ds2acis/ds2acis.msg “can’t convert cstrn – it is unstopable”
DS_ZERO_ALPHA_AND_BETA	adm/admhusk/ds2acis/ds2acis.msg “Cannot have both alpha and beta equal to zero”
DS_ZERO_AREA_PATCH	adm/admhusk/ds2acis/ds2acis.msg “Cannot add a zero area patch to the hierarchy”
DS_ZERO_LENGTH_DOMAIN_DIR	adm/admhusk/ds2acis/ds2acis.msg “Domain_dir vector can not be zero length”
DUPLICATE_OPTION_NAME	base/baseutil/option/option.msg “Same name used for more than one option_header”
EARLIER_VERSION	kern/kernel/kerndata/savres/savres.msg “save file is from an earlier version of Acis”
EDGE_COIN_PROBLEM	bool/boolean/kernbool/boolean/boolean.msg “system inconsistency processing edge coincidence”
EDGES_ALREADY_HAVE_ATTRIBS	stitch/stchhusk/stitch/stchutil/stitchr.msg “Input edges have stitch attributes already”
EDGE_ALREADY_STITCHED	stitch/stchhusk/stitch/stchutil/stitchr.msg “Input edge is already stitched”
EDGE_EDGE_COIN	bool/boolean/kernbool/boolean/boolean.msg “wire edge coincidences not yet implemented”
EDGE_FACE_COIN	bool/boolean/kernbool/boolean/boolean.msg “wire edge/face coincidences not yet implemented”
EDGE_HAS_DISCONTINUITY	fct/faceter/api/facet.msg “Edge has discontinuities, causing difficulties in meeting faceter tolerances.”
EDGE_HAS_NO_FACE	stitch/stchhusk/stitch/stchutil/stitchr.msg “Input edge is connected to any face”
EDGE_NOT_FOUND	intr/intersct/kerndata/raytest/raytest.msg “failed to find an edge for find_shell_point”
EDGE_NOT_FREE	covr/cover/sg_husk/cover/cover.msg “only free edges can be processed.”

EDGE_NO_VERT	kern/kernel/kerndata/top/top.msg "edge has a NULL vertex pointer"
EDGE_OFF_SURFACE	covr/cover/sg_husk/cover/cover.msg "Edge does not lie on the given surface"
EMPTY_ARRAY	kern/kernel/kernapi/api/api.msg "array with no members given"
EMPTY_EDGE_LIST	cstr/constrct/kernwire/ewire/ewire.msg "No edges supplied for new wire"
ENDS_NOT_DSTNCT	kern/kernel/sg_husk/sweep/sweep.msg "Cannot convert the profile to a valid sheet"
ENDS_TOO_CLOSE	cstr/constrct/kernwire/wire/wire.msg "end points of segment too close"
ENTITY_NOT_IN_STREAM	kern/kernel/kerndata/bulletin/bulletin.msg "entity is not in history stream"
ERROR_DURING_DISCARD.....	kern/kernel/kerndata/bulletin/bulletin.msg "error discarding a bad bulletin board, model state cannot be recovered. "
ERROR_DURING_MERGE	kern/kernel/kerndata/bulletin/bulletin.msg "error occurred during bulletin board merge"
ERROR_DURING_ROLL	kern/kernel/kerndata/bulletin/bulletin.msg "error occurred during roll"
ERROR_IN_FWRITE	kern/kernel/kernutil/fileio/fileio.msg "error writing to output stream"
EVALUATE_FAILED	kern/kernel/kernegeom/curve/curve.msg "AG curve evaluation failed"
EXACT_SUR_NO_BS3.....	kern/kernel/kernegeom/surface/surface.msg "exact-spl-sur has no bs3-surface"
EXCEEDED_STACK_LIMIT	base/baseutil/rtchecks/rtchecks.msg "Exceeded stack limit"
EXCEED_MAX_CIRCUITS	covr/cover/repair_husk/acovr.msg "Exceed the maximum number of circuits"
EXCEPTION_DELETE_LEAK.....	base/baseutil/mmgr/mmgr.msg "Exception during construction causes possible memory leak"
EXCESSIVE_RECURSION.....	base/baseutil/rtchecks/rtchecks.msg "Excessive recursion"
EXPLODING_STEP	kern/kernel/kernegeom/intcur/intcur.msg "step size excessive when evaluating curve"
EXTENSION_TOO_BIG	kern/kernel/kernegeom/intcur/intcur.msg "cannot extend intcurve by more than current range"
FACES_SWEPT_AS_SOL.....	kern/kernel/geomhusk/geomhusk.msg "Faces always swept as solids."
FACE_BOUNDARY	bool/boolean/kernbool/boolean/boolean.msg "wire being deleted crosses face boundary"
FACE_IRREGULAR	kern/kernel/sg_husk/api/sgapi.msg "twisted or scrunched up face"
FACE_NOT_LAMINA	kern/kernel/sg_husk/sweep/sweep.msg "Swept face not a lamina for complete sweep"

FACE_NOT_MADE.....	swp/sweep/kernwire/sweeping/sweeping.msg “failed to make a face”
FACE_NO_GEOMETRY	bool/boolean/kernbool/boolean/boolean.msg “faces with no geometry encountered and ignored”
FACE_SELF_INTER	kern/kernel/sg_husk/api/sgapi.msg “self-intersecting face”
FAC_MAX_NPTS	kern/kernel/spline/agspline/sg_bs3c/sg_bs3c. msg “max npts exceeded and facets may not cover edge”
FAILED_LIBRARY_LOAD	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg “Failed to load cattessellation.dll”
FF_MERGE_FAILURE	intr/intersct/kerndata/makeint/makeint.msg “failure in face-face intersection merging algorithm”
FIT_NO_KNOT_SPAN	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “attempt to fit curve to zero knot span”
FIT_NO_SPAN	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “attempt to fit curve to zero or one points”
FREELIST_IN_USE	base/baseutil/mmgr/mmgr.msg “ACIS memory still in use after api_stop_modeller”
FREE_COIN_BAD	bool/boolean/kernbool/boolean/boolean.msg “free edge coincidence list with other than two entries”
FREE_NODE_OFF_SIDE	kern/kernel/meshhusk/mesh/mesh.msg “ATTRIB_NODE not on triangle side”
FREE_STORE_OVERFLOW.....	base/baseutil/mmgr/mmgr.msg “free store overflow”
FUNCTION_NOT_IMPLEMENTED	fct/faceter/api/facet.msg “Function not implemented in derived mesh manager class”
GENERAL_CATIA_FAILURE	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg “Internal Hidden Line Removal Error”
GRAPH_BAD_EDGE	law/lawutil/main_law.msg “A bad edge was added to a graph”
GRAPH_MISS_EDGE	law/lawutil/main_law.msg “The edge was not in the graph”
GRAPH_MISS_VERTEX	law/lawutil/main_law.msg “The vertex was not in the graph”
GRAZING_VERT_SMOOTH	intr/intersct/kerndata/makeint/makeint.msg “angle vertex measured as smooth”
HISTORY_SYNC	kern/kernel/kerndata/savres/savres.msg “not at eof after restoring history”
HM_BULLETIN_NOT_DISTRIBUTED.....	kern/kernel/sg_husk/history/history.msg “distribute cannot find a place for everything”
HM_DISTRIBUTE_OPEN_BB	kern/kernel/sg_husk/history/history.msg “distribute when open bulletin board exists”
HM_ENTITY_IN_TWO_STREAMS.....	kern/kernel/sg_husk/history/history.msg “Entity in two different copy scans causes ambiguous distribute”

HM_ENTITY_NOT_IN_STREAM	kern/kernel/sg_husk/history/history.msg “distribute entity to stream it was not created in”
HM_RESTORE_ERROR	kern/kernel/sg_husk/history/history.msg “Could not restore history”
HM_SAVE_DURING_DELETE	kern/kernel/sg_husk/history/history.msg “Attempt to save history while deleting it”
HM_SAVE_EARLY_VERSION	kern/kernel/sg_husk/history/history.msg “Cannot save history in save format earlier than 1.5”
HM_SAVE_ERROR	kern/kernel/sg_husk/history/history.msg “Could not save history”
HM_SAVE_UNLINKED_STREAM	kern/kernel/sg_husk/history/history.msg “Attempt to save history without delta state links”
ID_OVERFLOW	kern/kernel/kernutil/fileio/fileio.msg “entity identifier in save file too long”
ILLEGAL_BULLETIN_CHANGE	kern/kernel/kerndata/bulletin/bulletin.msg “changing bulletin entities pointers when non NULL”
ILLEGAL_DELETE	kern/kernel/kerndata/data/data.msg “direct deletion of ENTITY object not allowed”
ILLEGAL_ENTITY_DATA_ACCESS	kern/kernel/kerndata/data/data.msg “illegal entity data access – improper entity data type for operation”
ILLEGAL_ENTITY_FOR_SPLCONV	bool/boolean/sg_husk/face/face.msg “splconvert got a non-body, non-face”
ILLEGAL_ENTITY_MODIFICATION	kern/kernel/kerndata/data/data.msg “entity modification outside API_BEGIN/END block”
ILLEGAL_PCURVE_ENT	kern/kernel/sg_husk/pcurve/sgpcurve.msg “cannot add a pcurve to this entity”
ILLEGAL_SPLIT_SURF	bool/boolean/sg_husk/split/split.msg “can not split face with calculated surface”
ILLEGAL_SURFACE	kern/kernel/kernegeom/splsur/splsur.msg “Surface is illegal and cannot be evaluated”
ILLEGAL_WIRE_STITCH	bool/boolean/sg_husk/stitch/stitch.msg “Illegal attempt to stitch to a wire edge”
IMPROPER_SPLIT	bool/boolean/sg_husk/boolean/sg_bool.msg “Face(s) were not properly split”
INCOMPATIBLE_COEDS	bool/boolean/sg_husk/stitch/stitch.msg “Incompatible coedges encountered”
INCOMPATIBLE_CRV	kern/kernel/spline/agspline/bs3_srf/bs3_srf.msg “incompatible spline curves”
INCOMPLETE_WIRE	bool/boolean/kernbool/boolean/boolean.msg “intersection wire with dangling end”
INCONSISTENT_CFACE_CONTAINMENTS ...	ct/ct_husk/compute/compute.msg “Adjacent cfaces have inconsistent containments”
INCONSISTENT_LOOPS	bool/boolean/kernbool/boolean/boolean.msg “intersection loop inconsistent with body”
INCONS_ATTRIB	bool/boolean/kernbool/boolean/boolean.msg “coedge and edge attributes incompatible”

INCONS_AUX_INTS	kern/kernel/kernint/intsfst/intsfst.msg “inconsistent number of auxiliary intersections”
INCONS_BOX	bool/boolean/kernbool/boolean/boolean.msg “inconsistent face boxes – probably faulty edge boxing”
INCONS_COIN	bool/boolean/kernbool/boolean/boolean.msg “coincident intersection edge previously non-coincident”
INCONS_FACE	bool/boolean/kernbool/boolean/boolean.msg “inconsistent face-body relationships”
INCONS_GRAPH_VERTEX	bool/boolean/kernbool/boolean/boolean.msg “inconsistent graph vertices”
INCONS_INTS	intr/intersct/sg_husk/query/query.msg “Inconsistent intersection results. (Possible tolerance problem?)”
INCONS_INT_PTS	kern/kernel/kernint/intsfst/intsfst.msg “inconsistent numbers of silhouette ints”
INCONS_REL	bool/boolean/kernbool/boolean/boolean.msg “inconsistent edge-face relationships”
INCONS_SIDES	bool/boolean/kernbool/boolean/boolean.msg “inconsistent disposal values for double-sided face”
INCONS_VERT_ATT	bool/boolean/kernbool/boolean/boolean.msg “inconsistent information in vertex and coedge attributes”
INCONS_VERT_INT	bool/boolean/kernbool/boolean/boolean.msg “vertex intersection found but stored pointer NULL”
INCORRECT_RND_CHAMFER	abl/abl_scm/ablscm.msg “Need two-ends vradius for round-chamfer blend”
INDEXING_FAILED	kern/kernel/kernutil/fileio/fileio.msg “Sat file indexing mechanism failed while restoring the sat file”
INFINITE_INTERVAL	kern/kernel/kernutil/fileio/fileio.msg “cannot save infinite interval bound: large value used instead”
INFINITE_RECURSION	intr/intersct/kernint/divcon/divcon.msg “Subdivision too deep – possibly undiscovered branch point”
INPUT_NOT_AN_EDGE	stitch/stchhusk/stitch/stchutil/stichr.msg “Input list has an entity which is not an EDGE”
INSIDE_WIRE	kern/kernel/kerndata/convert/convert.msg “Interior wires (wormholes) cannot be represented in pre-1.7 structures”
INSUFFICIENT_DATA	kern/kernel/geomhusk/geomhusk.msg “Not enough input arguments specified”
INSUFFICIENT_SPLGRID_DATA	kern/kernel/geomhusk/geomhusk.msg “Not enough data in splgrid.”
INTERNAL_INCONS	bool/boolean/kernbool/boolean/boolean.msg “internal inconsistency in boolean operation”
INTERNAL_SNAP_ERROR	covr/cover/repair_husk/bs3_snap.msg “An internal error occurred in during bs3 snapping”

INVALID_CIRCUITS	covr/cover/repair_husk/acovr.msg “Invalid circuits to cover”
INVALID_CT_MODEL	ct/ct_husk/compute/compute.msg “Cellular Topology structure is corrupt. Is topology okay?”
INVALID_ENTITY_REFRESH_LIST.....	bool/boolean/kernapi/api/api_bool.msg “The refresh list contains one or more entities from the seed element”
INVALID_GLUE_OPTS	bool/boolean/kernapi/api/api_bool.msg “Invalid glue options”
INVALID_HALF_ANGLE.....	cstr/construct/sg_husk/face/face_cstr.msg “Cannot make a Cone with the given half angle”
INVALID_RADIUS	abl/abl_scm/ablscm.msg “Invalid radius function”
INVALID_SINGULARITIES.....	cstr/construct/sg_husk/face/face_cstr.msg “Cannot make spline face with given singularities”
INVALID_STITCH_MAX_TOL	stitch/stchhusk/stitch/stchutil/stitchr.msg “Stitch max tol less than stitch min tol”
INVALID_STRING	abl/abl_scm/ablscm.msg “Unrecognized string”
INVALID_TYPE_REFRESH_LIST.....	bool/boolean/kernapi/api/api_bool.msg “The refresh list contained one or more invalid entity types”
ITER_LIMIT_CUR	kern/kernel/kernegeom/intcur/intcur.msg “exceeded iteration limit when evaluating curve”
KNOWN_REL	bool/boolean/kernbool/boolean/boolean.msg “outside relationship on wire being deleted”
LATER_VERSION.....	kern/kernel/kerndata/savres/savres.msg “save file is from a later version of Acis”
LAT_CURVE_NULL	kern/kernel/sg_husk/sweep/sweep.msg “Unable to construct Lateral curve”
LAT_SURF_INTER	kern/kernel/sg_husk/sweep/sweep.msg “Lateral surface would self-intersect. Try splitting profile.”
LAT_SURF_NULL	kern/kernel/sg_husk/sweep/sweep.msg “Unable to compute the sweep surface”
LAWS_WARP_INCONSISTENT	law/lawutil/main_law.msg “A boundary vertex in a partial_space_warp is transformed to 2 different places”
LAW_ARCCOS	law/lawutil/main_law.msg “Out of the domain of the arccos [-1,1]”
LAW_ARCCOSH.....	law/lawutil/main_law.msg “Out of the domain of the arccosh $x \geq 1$ ”
LAW_ARCCOTH	law/lawutil/main_law.msg “Out of the domain of the arccoth $x < -1$ or $x > 1$ ”
LAW_ARCCSC	law/lawutil/main_law.msg “Out of the domain of the arccsc $x < -1$ or $x > 1$ ”
LAW_ARCCSCH	law/lawutil/main_law.msg “Out of the domain of the arccsch $x \neq 0$ ”

LAW_ARCSEC	law/lawutil/main_law.msg "Out of the domain of the arcsec $x < -1$ or $x > 1$ "
LAW_ARCSECH	law/lawutil/main_law.msg "Out of the domain of the arcsech $0 < x \leq 1$ "
LAW_ARCSIN	law/lawutil/main_law.msg "Out of the domain of the arcsin $[-1, 1]$ "
LAW_ARCTANH	law/lawutil/main_law.msg "Out of the domain of the arctanh $-1 < x < 1$ "
LAW_BAD_BOUNDS	law/lawutil/main_law.msg "The domain is not a finite interval"
LAW_BAD_DOMAN	law/lawutil/main_law.msg "The law function has an incorrect domain"
LAW_BAD_RAIL_LAW	law/lawutil/main_law.msg "The rail law is not perpendicular to the path"
LAW_BAD_RANGE	law/lawutil/main_law.msg "The law function has an incorrect range"
LAW_BAD_UNIT_VECTOR	law/lawutil/main_law.msg "The vector returned was not a unit vector"
LAW_BASE_C	law/lawutil/main_law.msg "Base must be a constant"
LAW_BASE_P	law/lawutil/main_law.msg "Base must be positive"
LAW_BEND_PARALLEL	law/lawutil/main_law.msg "Bending axis and direction are parallel."
LAW_COT	law/lawutil/main_law.msg "Out of the domain of the cot $x \neq n\pi$ "
LAW_COTH	law/lawutil/main_law.msg "Out of the domain of the coth $x \neq 0$ "
LAW_CROSS_NUM	law/lawutil/main_law.msg "Too many parts to cross law"
LAW_CSC	law/lawutil/main_law.msg "Out of the domain of the csc $x \neq n\pi$ "
LAW_CSCH	law/lawutil/main_law.msg "Out of the domain of the csch $x \neq 0$ "
LAW_DATA_CURVE	law/lawutil/main_law.msg "Law_data_curve eval too many derivatives"
LAW_DATA_PCURVE	law/lawutil/main_law.msg "Law_data_pcurve eval too many derivatives"
LAW_DATA_SAVE	law/lawutil/main_law.msg "Law_data type cannot save"
LAW_DATA_UNKNOWN	law/lawutil/main_law.msg "Unknown law_data type"
LAW_DATA_WIRE	law/lawutil/main_law.msg "Law_data_wire eval too many derivatives"
LAW_DEEP_COPY	law/lawutil/main_law.msg "This law may not be deep copied"
LAW_DERIV	law/lawutil/main_law.msg "Law class does not have a derivative function"

LAW_DIM	law/lawutil/main_law.msg "Bad law dimensions"
LAW_DIVISION	law/lawutil/main_law.msg "Right side of division must be a scalar"
LAW_DL_NUM	law/lawutil/main_law.msg "Wrong number of parts in derivative_law"
LAW_DOT_NUM	law/lawutil/main_law.msg "Too many parts to dot law"
LAW_EVAL	law/lawutil/main_law.msg "Law class does not have an evaluate function"
LAW_EVALDV	law/lawutil/main_law.msg "EvaluateDV does not return a vector"
LAW_EVALDV_ONE	law/lawutil/main_law.msg "EvaluateDV does not take one value"
LAW_EVALMMAT	law/lawutil/main_law.msg "EvaluateMMAT does not return a matrix"
LAW_EVALMT	law/lawutil/main_law.msg "EvaluateMT does not return a transf"
LAW_EVALS	law/lawutil/main_law.msg "EvaluateS was called on a multidimensional law"
LAW_EVALV	law/lawutil/main_law.msg "EvaluateV does not return a vector"
LAW_EVALVM	law/lawutil/main_law.msg "EvaluateVM does not return a vector"
LAW_EVALV_ONE	law/lawutil/main_law.msg "EvaluateV does not take one value"
LAW_EXPONENT	law/lawutil/main_law.msg "Out of domain of pow function"
LAW_LHOSPITAL	law/lawutil/main_law.msg "Division of zero by zero that cannot be resolved"
LAW_LN	law/lawutil/main_law.msg "Out of the domain of the natural log $x > 0$ "
LAW_LOG	law/lawutil/main_law.msg "Out of the domain of the log $x > 0$ "
LAW_MR	law/lawutil/main_law.msg "Value out of bounds in min_rotation_law"
LAW_MR_NUM	law/lawutil/main_law.msg "Wrong number of parts in min_rotation_law"
LAW_MULTI_CURVE_DOM	law/lawutil/main_law.msg "The total domain does not equal inputs"
LAW_NO_BSPLINE	law/lawutil/main_law.msg "The given curve or surface does not have a bspline approximation"
LAW_NO_INTR	law/lawutil/main_law.msg "The intr component is not linked in the executable"
LAW_NO_SAVE	law/lawutil/main_law.msg "Law may not be saved untill the next version"
LAW_POS_NUM	law/lawutil/main_law.msg "Wrong number of arguments in postrans law"

LAW_SAVE_APPROX	law/lawutil/main_law.msg "This has been saved as a b-spline"
LAW_SCALE_NUM	law/lawutil/main_law.msg "Wrong number of arguments in scaletrans law"
LAW_SEC	law/lawutil/main_law.msg "Out of the domain of the sec $x != \pi * (n + .5)$ "
LAW_SQRT	law/lawutil/main_law.msg "Out of the domain of the sqrt $x > 0$ "
LAW_STEP_NUM	law/lawutil/main_law.msg "Wrong number of arguments in step law"
LAW_STEP_ODD	law/lawutil/main_law.msg "Odd member of step law is not constant"
LAW_STEP_ORDER	law/lawutil/main_law.msg "Steps constants are out of order"
LAW_SYMBOL	law/lawutil/main_law.msg "Law class does not have symbol function"
LAW_SYNTAX	law/lawutil/main_law.msg "Bad syntax"
LAW_TAN	law/lawutil/main_law.msg "Out of the domain of the tan $x != \pi * (n + .5)$ "
LAW_TEST	law/lawutil/main_law.msg "One of the law test functions failed"
LAW_TIMES	law/lawutil/main_law.msg "One side of times must be a scalar"
LAW_TL_NUM	law/lawutil/main_law.msg "Wrong number of parts in coord_law"
LAW_TL_SYNTAX	law/lawutil/main_law.msg "Coord_law syntax error"
LAW_TWIST_NUM	law/lawutil/main_law.msg "Wrong number of parts in twist_law"
LAW_VARIABLE_RETURN	law/lawutil/main_law.msg "Return dim was called on a variable return law"
LAW_VEC_NUM	law/lawutil/main_law.msg "Wrong number of arguments in vectrans law"
LEFTOVER_STUFF_IN_REMESH	kern/kernel/meshhusk/mesh/mesh.msg "remesh did not use all trimming nodes or curves"
LESS_3_PTS	cstr/constrct/kernwire/wire/wire.msg "cannot make a closed kwire from fewer than 3 points"
LOOPING_FINDING_SEAM	kern/kernel/meshhusk/surface/meshsur.msg "getting stuck walking around a seam of a surface"
LOOP_BAD_SEP_CONTAIN	kern/kernel/geomhusk/geomhusk.msg "Containment fails on separator"
LOOP_BRIDGE	cstr/constrct/kernwire/wire/wire.msg "bridge to and from closed-edge vertex – not handled"
LOOP_CONE_DEGEN_NEAR_APEX	kern/kernel/geomhusk/geomhusk.msg "Degenerate loop is near the cone apex."
LOOP_CONE_ONE_SEP	kern/kernel/geomhusk/geomhusk.msg "Only one separation loop in cone"

LOOP_DEGEN	kern/kernel/geomhusk/geomhusk.msg "Containment checking is not performed on detected degenerate loops."
LOOP_EXTRA_PERI	kern/kernel/geomhusk/geomhusk.msg "More than one periphery loop"
LOOP_FACE_PARTIAL_BOUNDED	kern/kernel/geomhusk/geomhusk.msg "Face is not completely bounded."
LOOP_FACE_UNBOUNDED	kern/kernel/geomhusk/geomhusk.msg "Face is not bounded."
LOOP_HOLE_IN_HOLE.....	kern/kernel/geomhusk/geomhusk.msg "Hole contains hole"
LOOP_HOLE_NOT_CONTAINED	kern/kernel/geomhusk/geomhusk.msg "Hole is not contained"
LOOP_NOT_CLOSED	kern/kernel/geomhusk/geomhusk.msg "Open loop in face"
LOOP_NO_PERIPHERY	kern/kernel/geomhusk/geomhusk.msg "No periphery loop"
LOOP_PERI_WITH_SEP	kern/kernel/geomhusk/geomhusk.msg "Periphery exists with separation loop"
LOOP_SEP_IN_SPLINE	kern/kernel/geomhusk/geomhusk.msg "No prop edge on periodic spline face."
LOOP_TORUS_DEGEN_NEAR_APEX.....	kern/kernel/geomhusk/geomhusk.msg "Degenerate loop is near a torus apex. "
LOOP_TORUS_ONE_SEP	kern/kernel/geomhusk/geomhusk.msg "Only one separation loop in torus"
LOOP_TWO_PLUS_SEP.....	kern/kernel/geomhusk/geomhusk.msg "More than two separator loops"
LOPT_BAD_BOX	lopt/lopt_husk/api/lopt.msg "invalid box supplied"
LOPT_FREE_EDGE	lopt/lopt_husk/api/lopt.msg "free edge detected"
LOPT_INTERNAL	lopt/lopt_husk/api/lopt.msg "internal error"
LOPT_LAST_SHELL	lopt/lopt_husk/api/lopt.msg "only shell in body would be lost"
LOPT_NON_MANIFOLD.....	lopt/lopt_husk/api/lopt.msg "non-manifold edge detected"
LOPT_NOT_IMPLEMENTED	lopt/lopt_husk/api/lopt.msg "not yet implemented"
LOPT_TWK_BAD_OP_ON_ATT	lopt/lopt_husk/api/lopt.msg "invalid operation on lopt attribute"
LOP_BAD_BODY_TRANSFORM.....	lop/lop_husk/api/lop.msg "body transform has shear component"
LOP_BAD_BOX	lop/lop_husk/api/lop.msg "invalid box supplied"
LOP_HOL_ALL_OPEN.....	lop/lop_husk/api/lop.msg "all faces specified open"
LOP_HOL_BAD_VBL_OFFSET.....	lop/lop_husk/api/lop.msg "bad offset of a vertex blend"

LOP_HOL_MULTI_SHELL	lop/lop_husk/api/lop.msg "body to be hollowed has more than one shell"
LOP_MOVE_BAD_TRANSFORM.....	lop/lop_husk/api/lop.msg "invalid transform (identity or non rigid body)"
LOP_NOT_IMPLEMENTED.....	lop/lop_husk/api/lop.msg "not yet implemented"
LOP_OFF_BAD_CURVATURE	lop/lop_husk/api/lop.msg "could not offset face because of bad curvature see err info"
LOP_OFF_BAD_MODEL_EXTENTS	lop/lop_husk/api/lop.msg "model is too large or is positioned outside the modeling space"
LOP_OFF_BAD_OFFSET.....	lop/lop_husk/api/lop.msg "offset null or will make body too thin or inside out"
LOP_OFF_NO_SURF	lop/lop_husk/api/lop.msg "could not offset surface as requested"
LOP_SWP_BAD_RAIL_OR_PATH	lop/lop_husk/api/lop.msg "path or rail information on swept face is bad"
LOP_TAP_BAD_ANGLE	lop/lop_husk/api/lop.msg "invalid taper angle"
LOP_TAP_BAD_EDGE.....	lop/lop_husk/api/lop.msg "edge has only one coedge"
LOP_TAP_BAD_NORMAL	lop/lop_husk/api/lop.msg "invalid taper plane normal"
LOP_TAP_BAD_PICK	lop/lop_husk/api/lop.msg "edge not on face it was picked with"
LOP_TAP_BAD_SURF	lop/lop_husk/api/lop.msg "cannot taper this surface type"
LOP_TAP_DUP_FACE	lop/lop_husk/api/lop.msg "face supplied more than once"
LOP_TAP_NOR_FACE	lop/lop_husk/api/lop.msg "face normal is at some point parallel to draft direction"
LOP_TAP_NO_ADJ_FACE	lop/lop_husk/api/lop.msg "adjacent face to vent face not found"
LOP_TAP_NO_SURF	lop/lop_husk/api/lop.msg "could not taper surface as requested"
LOP_TAP_TAN_EDGE	lop/lop_husk/api/lop.msg "edge tangent is at some point parallel to draft direction"
LOP_TWK_BAD_FACE	lop/lop_husk/api/lop.msg "face(s) supplied invalid, duplicate or from different bodies"
LOP_TWK_BAD_OP_ON_ATT	lop/lop_husk/api/lop.msg "invalid operation on lop attribute"
LOP_TWK_BAD_SURFACE	lop/lop_husk/api/lop.msg "invalid tool surface supplied"
LOP_TWK_COMPUTE_FAILED	lop/lop_husk/api/lop.msg "tweak compute failed"
LOP_TWK_FREE_EDGE	lop/lop_husk/api/lop.msg "free edge detected"

LOP_TWK_INTERNAL	lop/lop_husk/api/lop.msg “internal error”
LOP_TWK_MULTIPLE_EDGE	lop/lop_husk/api/lop.msg “multiple solutions for an edge”
LOP_TWK_MULTIPLE_VERT	lop/lop_husk/api/lop.msg “multiple solutions for a vertex”
LOP_TWK_NON_MANIFOLD	lop/lop_husk/api/lop.msg “non-manifold edge detected”
LOP_TWK_NO_BLEND_EDIT_SF	lop/lop_husk/api/lop.msg “blend edit unable to provide blend surface”
LOP_TWK_NO_EDGE	lop/lop_husk/api/lop.msg “no solution for an edge”
LOP_TWK_NO_FACE	lop/lop_husk/api/lop.msg “no faces supplied”
LOP_TWK_NO_LOOP	lop/lop_husk/api/lop.msg “no loop through new edges and vertices”
LOP_TWK_NO_VERT	lop/lop_husk/api/lop.msg “no solution for a vertex”
LOP_TWK_STACK_LIMIT	lop/lop_husk/api/lop.msg “stack limit exceeded”
LOP_TWK_TOPOL_CHANGE	lop/lop_husk/api/lop.msg “change in topology detected”
LOP_TWK_ZERO_LEN_EDGE	lop/lop_husk/api/lop.msg “open edge with coincident vertices generated”
LOST_ON_EDGE	bool/boolean/kernbool/boolean/boolean.msg “edge does not start or end at given vertex”
LOST_ON_LOOP	bool/boolean/kernbool/boolean/boolean.msg “loop does not contain given vertex”
MAKE_APPROX_CURVE_FAILED	kern/kernel/kernegeom/curve/curve.msg “failed to make required bspline curve approximation”
MAKE_APPROX_FAILED	kern/kernel/kernegeom/surface/surface.msg “failed to make required bspline approximation”
MAKE_APPROX_PCURVE_FAILED	kern/kernel/kernegeom/pcurve/pcurve.msg “failed to make required bspline pcurve approximation”
MAP_CONFUSION	kern/kernel/kerndata/lists/lists.msg “confusion in pointer pointer map”
MATH_DOMAIN	base/baseutil/errorsys/errorbase.msg “C math library: argument domain error”
MATH_ERROR	base/baseutil/errorsys/errorbase.msg “C math library error”
MATH_OVERFLOW	base/baseutil/errorsys/errorbase.msg “C math library: overflow range error”
MATH_PLOSS	base/baseutil/errorsys/errorbase.msg “C math library: partial loss of significance”
MATH_SING	base/baseutil/errorsys/errorbase.msg “C math library: argument singularity”
MATH_TLOSS	base/baseutil/errorsys/errorbase.msg “C math library: total loss of significance”

MATH_UNDERFLOW	base/baseutil/errorsys/errorbase.msg “C math library: underflow range error”
MATRIX_SINGULAR	base/baseutil/vector/vector.msg “attempt to invert a singular matrix”
MAX_GRID_LINES_EXCEEDED_ON_EDGE ..	fct/faceter/api/facet.msg “Edge tolerances not met because max_grid_lines is set too low”
MESH_HUSK_NOT_LINKED	kern/kernel/kernint/intsf/facet/facet.msg “all mesh intersectors are provided in the optional mesh husk”
MIDDLE_OF_UNDEFC	kern/kernel/kernegeom/curve/curve.msg “attempt to evaluate the middle of an undefined curve”
MISMATCHED_API_MACROS	base/baseutil/rtchecks/rtchecks.msg “API_END or API_NOP_END was bypassed (check for misplaced returns)”
MISMATCHED_EDGES	bool/boolean/sg_husk/stitch/stitch.msg “Edge stitching problem. Are duplicate edges present?”
MISMATCH_IN_OPTION	heal/healhusk/util/healer.msg “Mismatch in option between analyze and calculate phase”
MISSING_NEIGHBOR_ELEMENT	kern/kernel/kernint/intsf/facet/facet.msg “can’t find adjacent element when intersection segment on element edge”
MISSING_OWNER_IN_UPDATE	ct/ct_husk/compute/compute.msg “Cface without owner in cell update”
MISSING_PCURVE	intr/intersct/kerndata/ptiface/ptiface.msg “coedge on parametric surface with no pcurve”
MISSING_SPAN_INFO	bool/boolean/kernbool/boolean/boolean.msg “span info missing for ef_int construction”
MISSING_SURF_ATT	kern/kernel/meshhusk/mesh/mesh.msg “surface element should have ATTRIB_SURFBACK but doesn’t”
MITRE_PLANE_ZERO	kern/kernel/sg_husk/sweep/sweep.msg “Mitre plane normal, zero length”
MIXED_STREAMS	kern/kernel/kerndata/bulletin/bulletin.msg “combining multiple history streams”
MK_WIRE_BODY_FAIL	cstr/constct/geomhusk/geomhusk_cstr.msg “Can’t make wire body from given entity type”
MK_WIRE_BODY_NO_LOOP	cstr/constct/geomhusk/geomhusk_cstr.msg “Face has no periphery loop to make wire body”
MULTIPLE_CIRCUITS	covr/cover/repair_husk/acovr.msg “Cannot handle multiple circuits”
MULTIPLE_ENT	kern/kernel/kerndata/savres/savres.msg “saving multiple entities as multiple single entity units”
MULTIPLE_WIRES	kern/kernel/sg_husk/sweep/sweep.msg “Multiple wires, too complex for sweep to handle”
MULTI_CALL	intr/intersct/kerndata/makeint/makeint.msg “call to int_loop_surf with non-null lists: calling function needs modification”

MULT_USE	kern/kernel/kernegeom/curve/curve.msg “attempt to transform a shared geometry”
NEED_PRUNE_PARTNERS	kern/kernel/kerndata/bulletin/bulletin.msg “cannot merge states without pruning partners”
NEGATIVE_MOMENT	intr/intersct/kernbody/faceprop/faceprop.msg “negative second moments – diagonals should always be positive”
NEG_VOLUME	kern/kernel/sg_husk/sweep/sweep.msg “Result of the sweep might be void”
NON_MANIFOLD_EDGE	bool/boolean/kernbool/boolean/boolean.msg “more than two faces at an edge of resulting body”
NON_NEG_LENGTH	kern/kernel/kernapi/api/api.msg “length not positive or zero”
NON_NEG_TOP	kern/kernel/kernapi/api/api.msg “top not positive or zero”
NON_POS_DEPTH	kern/kernel/kernapi/api/api.msg “depth negative or zero”
NON_POS_HEIGHT	kern/kernel/kernapi/api/api.msg “height negative or zero”
NON_POS_LENGTH	kern/kernel/kernapi/api/api.msg “length negative or zero”
NON_POS_RAD1	kern/kernel/kernapi/api/api.msg “radius1 negative or zero”
NON_POS_RAD2	kern/kernel/kernapi/api/api.msg “radius2 negative or zero”
NON_POS_TOP	kern/kernel/kernapi/api/api.msg “top negative or zero”
NON_POS_WIDTH	kern/kernel/kernapi/api/api.msg “width negative or zero”
NON_UNIQUE_CTRLPTS	kern/kernel/sg_husk/api/sgapi.msg “control points are not unique”
NON_UNIQUE_FITPTS	kern/kernel/sg_husk/api/sgapi.msg “coincident fit points”
NOTE_STATE_NR	kern/kernel/kernapi/api/api.msg “note_state: null result”
NOTE_UNBALANCED_BB	kern/kernel/kerndata/bulletin/bulletin.msg “note_state when bulletin board nesting unbalanced”
NOT_ALL_DERIVATIVES_FOUND	kern/kernel/kernegeom/curve/curve.msg “failed to obtain all derivatives requested”
NOT_ALL_INSIDE	covr/cover/sg_husk/cover/cover.msg “all connected coedges of wire must be of type: inside”
NOT_AN_ELLIPSE	kern/kernel/geomhusk/geomhusk.msg “The ENTITY is not an ellipse”
NOT_A_CURVE	kern/kernel/geomhusk/geomhusk.msg “ENTITY cannot be converted to a BOUNDED_CURVE”
NOT_A_LINE	kern/kernel/geomhusk/geomhusk.msg “The ENTITY is not a line”

NOT_BODY	kern/kernel/kernapi/api/api.msg “given pointer is not to a body”
NOT_BODY_RESTORE	kern/kernel/kerndata/savres/savres.msg “restore file does not contain a saved body”
NOT_COEDGE	kern/kernel/kernapi/api/api.msg “given pointer is not to a coedge”
NOT_COINC_PL	swp/sweep/kernwire/sweeping/sweeping.msg “planes not coincident”
NOT_CORRECT_TYPE	kern/kernel/kernapi/api/api.msg “given pointer is not to the correct entity type”
NOT_EDGE	kern/kernel/kernapi/api/api.msg “given pointer is not to an edge”
NOT_EXT_ED	covr/cover/sg_husk/cover/cover.msg “an edge of circuit is not external”
NOT_FACE	kern/kernel/kernapi/api/api.msg “given pointer is not to a face”
NOT_FACETED	fct/faceter/api/facet.msg “The target body is not faceted”
NOT_LAMINA	kern/kernel/kernapi/api/api.msg “given pointer is not to a lamina”
NOT_LINE_ME	kern/kernel/kernapi/api/api.msg “move edge only works with straight lines”
NOT_LOOP_COEDGE	kern/kernel/kerndata/geometry/geometry.msg “cannot find face from non-loop coedge”
NOT_LUMP	kern/kernel/kernapi/api/api.msg “given pointer is not to a lump”
NOT_ON_CURVE	kern/kernel/geomhusk/geomhusk.msg “Point given is not on curve.”
NOT_PLANAR	kern/kernel/geomhusk/geomhusk.msg “Curves are not in the same plane”
NOT_PLANE	kern/kernel/kernapi/api/api.msg “given pointer is not to a plane”
NOT_PLANE_ME	kern/kernel/kernapi/api/api.msg “move edge only allows planar surfaces”
NOT_SAME_OWNER	abl/abl_scm/ablscm.msg “Input entities must belong to the same solid body”
NOT_SAME_PART	scm/scmext/scmext.msg “combining entities from different parts”
NOT_SHEET_BODY	kern/kernel/kernapi/api/api.msg “given pointer is not to a sheet body”
NOT_SHELL	kern/kernel/kernapi/api/api.msg “given pointer is not to a shell”
NOT_SOLID_EDGE	kern/kernel/geomhusk/geomhusk.msg “EDGE is not part of a solid”
NOT_SOLID_OWNER	abl/abl_scm/ablscm.msg “Given entity must belong to a solid body”
NOT_TOP_LEVEL	kern/kernel/geomhusk/geomhusk.msg “Cannot modify an ENTITY owned by another ENTITY”

NOT_TRANSFORM	kern/kernel/kernapi/api/api.msg “given pointer is not to a transformation”
NOT_TRANSFORMATION_ENTITY	kern/kernel/geomhusk/geomhusk.msg “Cannot apply transformation to entity”
NOT_VALID_ENTITY	kern/kernel/geomhusk/geomhusk.msg “Not a valid ENTITY type for this operation”
NOT_VERTEX	kern/kernel/kernapi/api/api.msg “given pointer is not to a vertex”
NOT_WIRE	kern/kernel/kernapi/api/api.msg “given pointer is not to a wire”
NOT_WIRE_BODY	kern/kernel/kernapi/api/api.msg “given pointer is not to a wire body”
NO_ANNOTATION	kern/kern_scm/kern_scm.msg “No ANNOTATION found matching the given criteria”
NO_AREA	intr/intersct/kernbody/faceprop/faceprop.msg “cannot calculate an area for this entity type”
NO_ATTRIB_INTCOED	bool/boolean/kernbool/boolean/boolean.msg “unexpected missing attribute on coedge”
NO_AUX_INT	intr/intersct/kerndata/makeint/makeint.msg “no intersection with auxiliary surface”
NO_BODIES_FOUND	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg “No solid or sheet bodies found”
NO_BSPLINE	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “unable to fit b-spline to given curve”
NO_CIRCUIT	covr/cover/repair_husk/acovr.msg “Cannot recognize a circuit”
NO_COEDGE	abl/abl_scm/ablscm.msg “No coedge for picked edge and face”
NO_CURVE_BOUNDS	intr/intersct/kernint/intcusf/intcusf.msg “intcusf with no curve bounds”
NO_CURVE_PERP	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “no perpendicular from point to curve”
NO_CUR_BB	kern/kernel/kerndata/bulletin/bulletin.msg “no current bulletin board exists”
NO_CUR_DS	kern/kernel/kerndata/bulletin/bulletin.msg “no current delta state exists”
NO_EF_INTS	bool/boolean/kernbool/boolean/boolean.msg “no intersection records in find_graph_vertex”
NO_END_BOUND	bool/boolean/kernbool/boolean/boolean.msg “end bound for curve expected but missing”
NO_END_PT	intr/intersct/kernint/divcon/divcon.msg “No end for curve segment in divide-and-conquer”
NO_ENTS_FOUND	abl/abl_scm/ablscm.msg “No blendable entities found”
NO_FACE_BODY	bool/boolean/sg_husk/split/split.msg “face is not part of a body”

NO_FACE_NORMAL	bool/boolean/kernbool/boolean/boolean.msg “cannot find face normal for ordering coedges”
NO_GEN_INT	kern/kernel/kernint/intsf/fintsf.fintsf.msg “no generator/cone intersection when expected”
NO_GLX	gl/gl_husk/gl_husk.msg “No GLX Support detected on this X Server”
NO_GL_CONTEXT	gl/gl_husk/gl_husk.msg “Could not create the OpenGL Context”
NO_GL_VISUAL	gl/gl_husk/gl_husk.msg “Could not find a suitable XVisual”
NO_HISTORY	scm/scmext/scmext.msg “no history on requested part or entity”
NO_INSIDE_COED	covr/cover/sg_husk/cover/cover.msg “cannot find an inside coedge of wire”
NO_INTERSECTIONS	kern/kernel/geomhusk/geomhusk.msg “No intersections found between curves”
NO_INTERSECTION_EDGES	bool/boolean/kernbool/boolean/boolean.msg “no intersection edges”
NO_INTERSECTOR_FOUND	intr/intersct/kernint/intcuf/intcuf.msg “no appropriate curve–surface intersector was found”
NO_INTSCT	bool/boolean/sg_husk/boolean/sg_bool.msg “No intersection edges were found”
NO_INTSECT	scm/scmext/scmext.msg “no intersection”
NO_INT_POINT	kern/kernel/kernint/intsf/fintsf.fintsf.msg “cannot find intermediate intersection point”
NO_NEXT_EXT_ED	covr/cover/sg_husk/cover/cover.msg “cannot find next external edge”
NO_OUTSIDE_SHELL	eulr/euler/kerndata/seplumps/seplumps.msg “infinite body – no bounding shell found”
NO_PCURVE_LEFT	intr/intersct/kerndata/ptiface/ptiface.msg “no pcurve after trimming to edge range”
NO_PCURVE_ON_COEDGE	bool/boolean/kernbool/boolean/boolean.msg “a coedge on a spline surface doesn’t have a pcurve”
NO_PRECISION	intr/intersct/kernbody/faceprop/faceprop.msg “error in second moments too large for meaningful results”
NO_PT_OFF_AXIS	kern/kernel/sg_husk/sweep/sweep.msg “Could Not find any point off Axis”
NO_QUADRATIC_ROOTS	kern/kernel/kernegeom/splsur/splsur.msg “no roots to quadratic equation for principal curvature”
NO_ROLLBACK	kern/kernel/kerndata/data/data.msg “changing unlogged record”
NO_SHOULDER	kern/kernel/kernint/intsf/fintsf.fintsf.msg “cannot find shoulder point for conic”
NO_SOLUTION_FOUND	kern/kernel/geomhusk/geomhusk.msg “No solution found”
NO_SPLINE_APPROX	kern/kernel/kernegeom/splsur/splsur.msg “unable to calculate spline approximation”

NO_SPLITTING_SURF.....	bool/boolean/sg_husk/split/split.msg “can not calculate splitting surface”
NO_START_BOUND	bool/boolean/kernbool/boolean/boolean.msg “start bound for curve expected but missing”
NO_START_PT	intr/interstct/kernint/divcon/divcon.msg “No start for curve segment in divide-and-conquer”
NO_STITCHABLE_GEOM.....	bool/boolean/sg_husk/stitch/stitch.msg “No identical edges or vertices in stitch bodies”
NO_SURFACE	covr/cover/repair_husk/acovr.msg “Surface cannot be created”
NO_SURF_PERP	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “no perpendicular from point to surface”
NO_SW_EVAL_CURVATURE	law/lawutil/main_law.msg “sw_curve::eval_curvature not implemented”
NO_SW_LENGTH.....	law/lawutil/main_law.msg “sw_curve::length not implemented”
NO_SW_LENGTH_PARAM	law/lawutil/main_law.msg “sw_curve::length_param not implemented”
NO_SW_POINT_PERP	law/lawutil/main_law.msg “sw_curve::point_perp not implemented”
NO_TRIM_ITEM.....	kern/kernel/geomhusk/geomhusk.msg “Nothing specified to trim to”
NO_X_LAT_TOSUR	kern/kernel/sg_husk/sweep/sweep.msg “Lateral curve does not intersect to surface”
NULL_ARRAY	kern/kernel/kernapi/api/api.msg “null pointer to array given”
NULL_ASSIGN	kern/kernel/kerndata/data/data.msg “writing to NULL data structure record”
NULL_BODY	kern/kernel/kernapi/api/api.msg “null pointer to body given”
NULL_COEDGE	kern/kernel/kernapi/api/api.msg “null pointer to coedge given”
NULL_CURVE_EVAL	kern/kernel/spline/agspline/bs3_crv/bs3_crv.m sg “attempt to evaluate a null 3D spline curve”
NULL_DATUM_COEDGE	bool/boolean/kernbool/boolean/boolean.msg “NULL datum coedge”
NULL_DELTA	kern/kernel/kernapi/api/api.msg “null pointer to delta state given”
NULL_EDGE.....	kern/kernel/kernapi/api/api.msg “null pointer to edge given”
NULL_EDGE_VERTEX	bool/boolean/kernbool/boolean/boolean.msg “intersection edge with no start or end vertex”
NULL_ELEMENT.....	kern/kernel/meshhusk/surface/meshsur.msg “cannot determine element – is meshhusk linked into executable?”
NULL_ENTITY	kern/kernel/kernapi/api/api.msg “null pointer to entity given”

NULL_EXTENSION	kern/kernel/kernegeom/intcur/intcur.msg “attempt to extend null curve”
NULL_FACE	kern/kernel/kernapi/api/api.msg “null pointer to face given”
NULL_FACE_CREATED	covr/cover/sg_husk/cover.cover.msg “A face with NULL geometry created”
NULL_FACE_DERIV	kern/kernel/kerndata/geometry/geometry.msg “null face for finding derivatives”
NULL_FILE	kern/kernel/kernapi/api/api.msg “null file pointer given”
NULL_FREE	base/baseutil/mmgr/mmgr.msg “Attempt to free a NULL object”
NULL_GEOM_PTR	kern/kernel/kernapi/api/api.msg “given entity has a NULL geometry pointer”
NULL_LAW	kern/kernel/kernapi/api/api.msg “null law pointer given”
NULL_LUMP	kern/kernel/kernapi/api/api.msg “null pointer to lump given”
NULL_PARTNER_LOOP	bool/boolean/kernbool/boolean/boolean.msg “NULL partner loop”
NULL_PLANE	kern/kernel/kernapi/api/api.msg “null pointer to plane given”
NULL_SHELL	kern/kernel/kernapi/api/api.msg “null pointer to shell given”
NULL_STR	kern/kernel/kernapi/api/api.msg “null pointer to string given”
NULL_STREAM	kern/kernel/kernapi/api/api.msg “null pointer to history stream given”
NULL_STRING	base/baseutil/errorsys/errorbase.msg “NULL pointer passed to string function”
NULL_SURFACE	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “NULL surface returned”
NULL_SURFACE_DERIV	kern/kernel/kerndata/geometry/geometry.msg “null surface for finding derivatives”
NULL_SURFACE_GEOM	kern/kernel/kerndata/geometry/geometry.msg “face without surface”
NULL_TEST_LOOP	bool/boolean/kernbool/boolean/boolean.msg “NULL test loop”
NULL_TRANSFORM	kern/kernel/kernapi/api/api.msg “null pointer to transformation given”
NULL_VERTEX	kern/kernel/kernapi/api/api.msg “null pointer to vertex given”
NULL_WIRE	kern/kernel/kernapi/api/api.msg “null pointer to wire given”
OFFSET_BRANCHED_WIRE	ofst/offset/sg_husk/cur_off/cur_off.msg “Cannot offset a branched wire”

OFF_SIDE_AND_NODE.....	kern/kernel/meshhusk/mesh/mesh.msg “ATTRIB_SURBACK should end on side or node but doesn’t”
OLD_DOUBLE_SIDE.....	kern/kernel/kerndata/top/top.msg “pre-R1.5 faces all single-sided: double-sided information lost”
OLD_EDGE_PARAM.....	kern/kernel/kerndata/top/top.msg “pre_R1.1 curve parametrisation different: edge parameters may be wrong”
OLD_FIT_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.6 Acis unaware of fit curve: saved as exact spline”
OLD_INSIDE_WIRE.....	kern/kernel/kerndata/top/top.msg “pre-R1.7 wires were not classified inside/outside: inside lost”
OLD_MULTI_LUMP.....	kern/kernel/kerndata/top/top.msg “pre-R1.1 Acis cannot handle multiple lumps; first one only saved”
OLD_OFFSET_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.3 Acis unaware of offset intersection curve: saved as exact”
OLD_PAR2_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.5 Acis cannot evaluate parameter curve on surface 2: surfaces swapped”
OLD_PAR_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.3 Acis unaware of surface parameter curve: saved as surf_int_cur”
OLD_PIPE_SPLSUR.....	kern/kernel/kernegeom/splsur/splsur.msg “pre-R1.3 Acis unaware of special splines – pipe saved as exact spline”
OLD_PROJ_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.3 Acis unaware of projected curve: saved as surf_int_cur”
OLD_ROT_SPLSUR.....	kern/kernel/kernegeom/splsur/splsur.msg “pre-R1.3 Acis unaware of special splines – rotational surface saved as exact spline”
OLD_SAVE_REV.....	kern/kernel/kernegeom/surface/surface.msg “reversed spline(s) saved as unreversed before Release 1.3”
OLD_SHELL_WIRE.....	kern/kernel/kerndata/top/top.msg “pre-R1.7 wires do not belong to shells: connectivity lost”
OLD_SUM_SPLSUR.....	kern/kernel/kernegeom/splsur/splsur.msg “pre-R1.3 Acis unaware of special splines – sum surface saved as exact spline”
OLD_SURF2_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.5 Acis cannot evaluate surface curve on surface 2: surfaces swapped”

OLD_SURF_CUR	kern/kernel/kernegeom/intcur/intcur.msg “pre-R1.3 Acis surface curve may have only one surface saved”
OLD_TUBE_SPLSUR	kern/kernel/kernegeom/splsur/splsur.msg “pre-R1.3 Acis unaware of special splines – tube saved as exact spline”
ONLY_DOUBLE_USES	intr/intersct/sg_husk/sense/sense.msg “All faces are used twice. (Is this an open shell?)”
OPEN_FACE	kern/kernel/sg_husk/sweep/sweep.msg “One of the loops in the face is open”
OSCULATING_CURVES	bool/boolean/kernbool/boolean/boolean.msg “curves osculate at vertex – cannot evaluate order”
OUTSIDE_RANGE	bool/boolean/kernbool/boolean/boolean.msg “new ef_int outside edge”
OWNER_NOT_LOOP	eulr/euler/kerndata/euler/euler.msg “owner of coedge must be of type LOOP”
PARALLEL_SURF_DERIVS	kern/kernel/kernegeom/intcur/intcur.msg “surface u and v directions are parallel”
PARTIAL_COINCIDENCE	kern/kernel/kernint/intsf/intsf.msg “partial coincidence not implemented yet”
PAR_BAD_SURFACE	intr/intersct/kernint/makesil/makesil.msg “unknown surface type in make parameter lines”
PAR_CUR_SAVE_AS_APPROX	kern/kernel/kernegeom/pcurve/pcurve.msg “Saving par_cur as bspline approximation”
PATH_NOT_PLANAR	kern/kernel/sg_husk/sweep/sweep.msg “Sweep path not planar or degenerate”
PATH_OFF_PROF	kern/kernel/sg_husk/sweep/sweep.msg “Start of the path is not in the plane of the profile”
PATH_TANGENT	kern/kernel/sg_husk/sweep/sweep.msg “Path Curve tangential to the sweep profile”
PCURVE_WITHOUT_SURF	kern/kernel/kernegeom/intcur/intcur.msg “attempt to create an int_cur with a pcurve but no surface”
PCUR_TOO_SHORT	eulr/euler/kerndata/euler/euler.msg “given pcurve too short for edge”
PERP_SNAP	covr/cover/repair_husk/bs3_snap.msg “An attempt was made to snap the tangent of a bs3_curve by 90 degrees”
PHLV5_CAMERA_MISMATCH	phlv5/phlv5_husk/sg_husk/phlv5/phlv5.msg “Camera definitions not the same for all bodies”
PHL_CAMERA_MISMATCH	phl/phl_husk/phl_func/phl_func.msg “Camera definitions not the same for all bodies”
PHL_COMPUTE_FAILED	phl/phl_husk/phl_func/phl_func.msg “Could not compute hidden line data”
PLANE_NORMAL_ZERO	kern/kernel/geomhusk/geomhusk.msg “Cannot make Plane with zero length normal”
PM_CANNOT_OPEN_FILE	part/part/pmhusk/pmhusk.msg “cannot open file”

PM_HM_CANT_CHANGE_DISTRIBUTE_MODE	part/part/pmhusk/pmhusk.msg “History mode already established and cannot be changed”
PM_HM_HISTORY_CONFLICT	part/part/pmhusk/pmhusk.msg “attempt to merge history by moving entities between parts”
PM_HM_RESTORE_NOT_EMPTY	part/part/pmhusk/pmhusk.msg “Part not empty. History not restored”
PM_HM_RESTORE_UNDISTRIBUTED	part/part/pmhusk/pmhusk.msg “Not distributing history. History not restored”
PM_HM_SAVE_UNDISTRIBUTED	part/part/pmhusk/pmhusk.msg “Not distributing history. History not saved”
PM_NO_PART_NAME	part/part/pmhusk/pmhusk.msg “No part name set for PART::save”
PM_NO_STATE_TO_NAME	part/part/pmhusk/pmhusk.msg “attempt to name state when no state exists”
PM_UNBALANCED_STATES	part/part/pmhusk/pmhusk.msg “api_pm_start_state and api_pm_note_state unbalanced when balance expected”
POINT_IN_MESH_ERROR	kern/kernel/meshhusk/surface/meshsur.msg “point in mesh loop function did not succeed”
PROFILE_NOT_ON_PATH	kern/kernel/sg_husk/sweep/sweep.msg “No point on the path can be associated with the profile”
PROF_NOT_MITRE	kern/kernel/sg_husk/sweep/sweep.msg “The swept profile does not lie in the mitre plane at start of a closed path.”
PROF_NOT_PLANAR	kern/kernel/sg_husk/sweep/sweep.msg “Sweep profile not planar”
PTRN_BAD_BUMP	kern/kernel/kernapi/api/api.msg “the face or loop to which the pattern was applied is not part of a valid bump or hole”
PTRN_FACE_NOT_CYLINDRICAL	kern/kernel/kernutil/law/pattern.msg “The specified face is not cylindrical”
PTRN_INCOMPATIBLE	kern/kernel/kernapi/api/api.msg “the pattern type is incompatible with the supporting face(s)”
PTRN_INCOMPATIBLE_DIM	kern/kernel/kernutil/law/pattern.msg “An incompatible dimension was specified”
PTRN_INCOMPLETE_ORIENTATION	kern/kernel/kernutil/law/pattern.msg “The pattern orientation is not completely specified”
PTRN_INVALID_ARGUMENT	kern/kernel/kernutil/law/pattern.msg “An invalid argument was specified”
PTRN_INVALID_DIM	kern/kernel/kernutil/law/pattern.msg “Dimensionality must be in the range of 1 to 3”
PTRN_INVALID_ENTITY	kern/kernel/kernutil/law/pattern.msg “An invalid entity type was specified”
PTRN_INVALID_KEEP	kern/kernel/kernutil/law/pattern.msg “A specified keep fraction cannot be negative, zero, or greater than one”

PTRN_INVALID_SCALE	kern/kernel/kernutil/law/pattern.msg “A specified scale value cannot be negative or zero”
PTRN_INVALID_SCALE_DIM	kern/kernel/kernutil/law/pattern.msg “A scale law must have either one or three dimensions”
PTRN_INVALID_SEED	kern/kernel/kernutil/law/pattern.msg “The seed used to find a bump must be a face or a loop”
PTRN_MISSING_ROOT	kern/kernel/kernutil/law/pattern.msg “A root position must be specified when the not_rotate option is used”
PTRN_NULL_ENTITY1	kern/kernel/kernutil/law/pattern.msg “A NULL entity was specified”
PTRN_NULL_ENTITY2	kern/kernel/kernutil/law/pattern.msg “A NULL entity was encountered”
PTRN_NULL_PATTERN	kern/kernel/kernutil/law/pattern.msg “A NULL pattern was specified”
PTRN_ORIENT_AXIS	kern/kernel/kernutil/law/pattern.msg “The associated axis must specified in the call to api_random_orient_pattern when the angular range is restricted”
PTRN_ORIENT_PARALLEL	kern/kernel/kernutil/law/pattern.msg “The vectors axis and start specified in the call to api_random_orient_pattern cannot be parallel or anti-parallel”
PTRN_ORIENT_PARALLEL1	kern/kernel/kernutil/law/pattern.msg “The vectors normal and major_axis specified in the call to api_elliptical_pattern cannot be parallel or anti-parallel”
PTRN_OUT_BOUNDS	kern/kernel/kernapi/api/api.msg “one or more pattern elements was generated outside its containing entity”
PTRN_SELF_INTR	kern/kernel/kernapi/api/api.msg “some or all pattern-generated elements intersect with one another”
PTRN_SIZE_UNIT	kern/kernel/kernutil/law/pattern.msg “The pattern has only one element”
PTRN_ZERO_COUNT	kern/kernel/kernutil/law/pattern.msg “The number of pattern elements requested must be greater than zero”
PTRN_ZERO_ORIENT_RANGE	kern/kernel/kernutil/law/pattern.msg “The angle intervals passed to api_random_orient_pattern have zero range”
PT_OFF_SPLINE	kern/kernel/spline/agspline/bs3_srf/bs3_srf.msg “cannot evaluate parameter of point off spline”
PURE_VIRTUAL	base/baseutil/errorsys/errorbase.msg “call to a pure virtual member function”
RAIL_CURVE_NULL	kern/kernel/sg_husk/sweep/sweep.msg “Unable to compute the guide curve for sweep surface”

RAYINFACE_NO_HIT	intr/intersct/kerndata/ptinface/ptinface.msg “in-face ray misses intended loop”
RAYTEST_NO_HIT	intr/intersct/kerndata/raytest/raytest.msg “ray test failed to find intersection”
RBI_BAD_BOX.....	rbi/rbi_husk/api/rbi.msg “invalid box supplied”
RBI_BAD_FACE	rbi/rbi_husk/api/rbi.msg “face(s) supplied invalid, duplicate or from different bodies”
RBI_BAD_OP_ON_ATT	rbi/rbi_husk/api/rbi.msg “invalid operation on rbi attribute”
RBI_FREE_EDGE	rbi/rbi_husk/api/rbi.msg “free edge detected”
RBI_INTERNAL	rbi/rbi_husk/api/rbi.msg “internal error”
RBI_IRREP_FACE_LOOP	rbi/rbi_husk/api/rbi.msg “face loops not repairable”
RBI_NON_MANIFOLD	rbi/rbi_husk/api/rbi.msg “non-manifold edge detected”
RBI_NOT_4_COEDGES	rbi/rbi_husk/api/rbi.msg “not 4 coedges on intermediate non manifold edge”
RBI_NOT_IMPLEMENTED	rbi/rbi_husk/api/rbi.msg “not yet implemented”
RBI_NOT_IMPLEMENTED_FOR_CELL	rbi/rbi_husk/api/rbi.msg “rbi is not implemented for cellular topology”
RBI_NO_BODY	rbi/rbi_husk/api/rbi.msg “no body supplied”
RBI_NO_FACE	rbi/rbi_husk/api/rbi.msg “no faces supplied”
RBI_NO_LUMP_LEFT	rbi/rbi_husk/api/rbi.msg “no lumps left in body”
RBI_NO_SOLUTION	rbi/rbi_husk/api/rbi.msg “gap cannot be filled”
RBI_SELF_INT_FACE	rbi/rbi_husk/api/rbi.msg “self intersecting face”
RECORD_TYPE	kern/kernel/kerndata/data/data.msg “data structure record of unknown type”
REMOVE_NO_USECOUNT.....	kern/kernel/kerndata/data/data.msg “called remove() on entity with no use count”
REM_BAD_BOX.....	rem/rem_husk/api/rem.msg “invalid box supplied”
REM_BAD_FACE	rem/rem_husk/api/rem.msg “face(s) supplied invalid, duplicate or from different shells”
REM_FREE_EDGE	rem/rem_husk/api/rem.msg “free (sheet) edge detected”
REM_INTERNAL	rem/rem_husk/api/rem.msg “internal error”

REM_LAST_SHELL	rem/rem_husk/api/rem.msg “only shell in body would be lost”
REM_NON_MANIFOLD	rem/rem_husk/api/rem.msg “non-manifold edge or vertex detected”
REM_NOT_IMPLEMENTED	rem/rem_husk/api/rem.msg “not yet implemented”
REM_NO_EDGES	rem/rem_husk/api/rem.msg “no edges left to form solution”
REM_NO_FACE	rem/rem_husk/api/rem.msg “no faces supplied”
REM_NO_SOLUTION	rem/rem_husk/api/rem.msg “gap cannot be filled”
REM_TWO_LOOP	rem/rem_husk/api/rem.msg “network of removed faces has two loops”
REPAIR_INTERNAL	covr/cover/repair_husk/repair.msg “Internal repair husk error”
RESTORE_BAD_LONG	kern/kernel/kernutil/fileio/fileio.msg “attempt to read a true 64 bit long on a 32 bit platform”
RESTORE_EOF	kern/kernel/kernutil/fileio/fileio.msg “unexpected end of restore file”
RESTORE_NO_ENUM	kern/kernel/kernutil/fileio/fileio.msg “missing enumeration in restore file”
RESTORE_NO_INT	kern/kernel/kernutil/fileio/fileio.msg “missing integer in restore file”
RESTORE_NO_LOGICAL	kern/kernel/kernutil/fileio/fileio.msg “missing logical in restore file”
RESTORE_NO_REAL	kern/kernel/kernutil/fileio/fileio.msg “missing double in restore file”
RESULT_FACE_NOT_NULL	covr/cover/repair_husk/acovr.msg “Resulting FACE pointer must be NULL on input”
REVOLVE_NON_CIRCLE	kern/kernel/sg_husk/sweep/sweep.msg “To revolve around axis, the path must be circular.”
RH_CE_ENVIRONMENT_END	rbase/rnd_husk/intrface/intrface.msg “env map preprocessing ends”
RH_CE_ENVIRONMENT_MEMORY	rbase/rnd_husk/intrface/intrface.msg “core env map memory failure”
RH_CE_ENVIRONMENT_START	rbase/rnd_husk/intrface/intrface.msg “preprocessing of env map”
RH_CE_INTERNAL	rbase/rnd_husk/intrface/intrface.msg “LightWorks internal error”
RH_CE_INVALID_CALL	rbase/rnd_husk/intrface/intrface.msg “core invalid LightWorks call”
RH_CE_INVALID_FILE	rbase/rnd_husk/intrface/intrface.msg “core invalid file format”
RH_CE_INVALID_SHADER	rbase/rnd_husk/intrface/intrface.msg “core incompatible shader”
RH_CE_MATHS	rbase/rnd_husk/intrface/intrface.msg “core maths error”

RH_CE_MEMORY	rbase/rnd_husk/intrface/intrface.msg "core general memory failure"
RH_CE_MISC	rbase/rnd_husk/intrface/intrface.msg "core miscellaneous error"
RH_CE_NONE	rbase/rnd_husk/intrface/intrface.msg "no error"
RH_CE_READ_FILE	rbase/rnd_husk/intrface/intrface.msg "core error reading file"
RH_CE_SHADOWS_END	rbase/rnd_husk/intrface/intrface.msg "shadow preprocessing ends"
RH_CE_SHADOWS_START	rbase/rnd_husk/intrface/intrface.msg "preprocessing of shadows"
RH_CE_SHADOW_MEMORY	rbase/rnd_husk/intrface/intrface.msg "core shadow memory failure"
RH_CE_SYSTEM	rbase/rnd_husk/intrface/intrface.msg "core system error"
RH_CE_TEXTURE_END	rbase/rnd_husk/intrface/intrface.msg "texture preprocessing ends"
RH_CE_TEXTURE_MEMORY	rbase/rnd_husk/intrface/intrface.msg "core texture memory failure"
RH_CE_TEXTURE_START	rbase/rnd_husk/intrface/intrface.msg "preprocessing of texture"
RH_CE_WRITE_FILE	rbase/rnd_husk/intrface/intrface.msg "core error writing file"
RH_IE_ARG_LMTEX	rbase/rnd_husk/intrface/intrface.msg "Internal shader argument list limit reached"
RH_IE_ARG_MISMATCH	rbase/rnd_husk/intrface/intrface.msg "Argument type doesn not match expected type"
RH_IE_ARG_UNKNOWN	rbase/rnd_husk/intrface/intrface.msg "Unknown shader argument"
RH_IE_BAD_HANDLE	rbase/rnd_husk/intrface/intrface.msg "Bad handle passed to function"
RH_IE_BCLS_COPY	rbase/rnd_husk/intrface/intrface.msg "copying render husk entity base class"
RH_IE_BCLS_IRES	rbase/rnd_husk/intrface/intrface.msg "saving render husk entity base class"
RH_IE_BCLS_ISAV	rbase/rnd_husk/intrface/intrface.msg "restoring render husk entity base class"
RH_IE_COPY_NULL	rbase/rnd_husk/intrface/intrface.msg "attempt to copy render entity with null handle"
RH_IE_CRT_FAIL	rbase/rnd_husk/intrface/intrface.msg "Failed to create render entity"
RH_IE_EMAP_SAVE	rbase/rnd_husk/intrface/intrface.msg "Environment Map Save/Restore not currently supported"
RH_IE_ENTITY_MISMATCH	rbase/rnd_husk/intrface/intrface.msg "Entity type is wrong for requested operation"
RH_IE_NOT_INIT	rbase/rnd_husk/intrface/intrface.msg "render husk not initialised"

RH_IE_NULL_HANDLE	rbase/rnd_husk/intrface/intrface.msg “Null handle passed to function”
RH_IE_OP_INTERRUPT	rbase/rnd_husk/intrface/intrface.msg “Operation interrupted”
RH_IE_RST_ERR	rbase/rnd_husk/intrface/intrface.msg “Error restoring render entity”
RH_IE_SAV_ERR	rbase/rnd_husk/intrface/intrface.msg “Error saving render entity”
RH_IE_SHEAR_TRAN	rbase/rnd_husk/intrface/intrface.msg “Attaching Material to body with shear transform”
RH_IE_UNDEF_ERR	rbase/rnd_husk/intrface/intrface.msg “Unidentified render husk error”
RH_IE_UNKN_ARG	rbase/rnd_husk/intrface/intrface.msg “Argument not found for given shader”
RH_IE_UNKN_CVAR	rbase/rnd_husk/intrface/intrface.msg “Unknown control variable”
RH_IE_UNKN_FOTYPE	rbase/rnd_husk/intrface/intrface.msg “Out of range or Unknown Fall off type”
RH_IE_UNKN_LIMODE	rbase/rnd_husk/intrface/intrface.msg “Unknown internal mode”
RH_IE_UNKN_LITYPE	rbase/rnd_husk/intrface/intrface.msg “Unknown internal type”
RH_IE_UNKN_OMODE	rbase/rnd_husk/intrface/intrface.msg “Unknown output mode”
RH_IE_UNKN_RMODE	rbase/rnd_husk/intrface/intrface.msg “Unknown render mode”
RH_IE_UNKN_SHADER	rbase/rnd_husk/intrface/intrface.msg “Shader type not known for given shader class”
RH_SHADER_ARG_MISMATCH	rbase/rnd_husk/entities/rh_ent.msg “Adding Shader: Name already known, but different arg types”
RH_UE_BAD_COLOR_VAL	rbase/rnd_husk/intrface/intrface.msg “Out of range color val, RGB color values must be between 0.0 and 1.0”
RH_UE_BAD_REFLECT_VAL	rbase/rnd_husk/intrface/intrface.msg “Out of range refletion val, reflection factors must be between 0.0 and 1.0”
RH_UE_BAD TRANSP_VAL	rbase/rnd_husk/intrface/intrface.msg “Out of range transparency val, transparency value must be between 0.0 and 1.0”
RIGID_W_DRAFT	kern/kernel/sg_husk/sweep/sweep.msg “Rigid sweep with draft”
ROLLED_SPATIAL_ENTITY	kern/kernel/kerndata/bulletin/bulletin.msg “access to non-user bulletin board entities is not allowed”
ROLL_DIRECTION_CONFUSED	kern/kernel/kerndata/bulletin/bulletin.msg “Roll direction not as expected”
ROLL_NULL_BB	kern/kernel/kerndata/bulletin/bulletin.msg “rollback given null bulletin board”

ROLL_OVER_ROOT	kern/kernel/kerndata/bulletin/bulletin.msg “Attempt to roll over root state”
ROOT_DS_LOST	kern/kernel/kerndata/bulletin/bulletin.msg “root state lost”
RUNTIME_SAFE_TYPE_CTOR	base/baseutil/mthread/safe.msg “runtime construction of a threadsafe type”
RUNTIME_SAFE_TYPE_DTOR	base/baseutil/mthread/safe.msg “runtime destruction of a threadsafe type”
SAVE_BAD_ENUM	kern/kernel/kernutil/fileio/fileio.msg “unknown value for enumeration in save”
SAVE_BAD_LONG	kern/kernel/kernutil/fileio/fileio.msg “attempt to write a true 64 bit long to a 32 bit file format”
SCHEME_ERROR	scm/scheme/scheme.msg “error processing scheme command”
SEGMENT_REVISITED	kern/kernel/kernint/intsf/sf/intsf/sf.msg “compcurv intersection segment processed twice”
SELF_INTER	kern/kernel/sg_husk/sweep/sweep.msg “The min radius of curvature is less than profile length”
SHEAR_INVERSE	base/baseutil/vector/vector.msg “attempt to invert a transform with shear”
SHEAR_SPHERE	kern/kernel/kernegeom/surface/surface.msg “attempt to shear a sphere”
SHEAR_TORUS	kern/kernel/kernegeom/surface/surface.msg “attempt to shear a torus”
SHEAR_TUBE	kern/kernel/kernegeom/splsur/splsur.msg “attempt to shear a tube surface”
SHEAR_UNIT	base/baseutil/vector/vector.msg “attempt to shear a unit vector”
SHEET_WITH_WIRE	covr/cover/sg_husk/cover/cover.msg “Cannot cover sheet body with wires”
SHELL_NOT_IN_LUMP	kern/kernel/kernapi/api/api.msg “shell is outside containing lump”
SHORT_GRAPH_EDGE	bool/boolean/kernbool/boolean/boolean.msg “graph edge is too short to make sense”
SIGAPOL_FAULT	base/baseutil/errorsys/errorbase.msg “Apollo-specific error”
SIGBUS_FAULT	base/baseutil/errorsys/errorbase.msg “bus error (illegal address)”
SIGFPE_FAULT	base/baseutil/errorsys/errorbase.msg “floating point exception”
SIGINT_FAULT	base/baseutil/errorsys/errorbase.msg “user interrupt”
SIGSEGV_FAULT	base/baseutil/errorsys/errorbase.msg “segmentation error”
SIGSOFT_FAULT	base/baseutil/errorsys/errorbase.msg “shared library error”
SIL_BAD_SURFACE	intr/intersct/kernint/makesil/makesil.msg “unknown surface type in make silhouettes”

SINGLE_COEDGE	bool/boolean/kernbool/boolean/boolean.msg “incomplete partner coedge ring”
SINGULAR_PARAM	kern/kernel/kerngeom/surface/surface.msg “attempt to evaluate curvature at parametric singularity”
SKIN_ALIGN_NONPLANAR.....	kern/kernel/sg_husk/skin/skin.msg “Cannot align non-planar wires.”
SKIN_ALL_FACES_BAD	kern/kernel/sg_husk/skin/skin.msg “All lateral faces are degenerate.”
SKIN_BAD_BOOLEAN_BRANCH	kern/kernel/sg_husk/skin/skin.msg “Could not boolean on or more of the tree branches”
SKIN_BAD_BOOLEAN_TRUNK.....	kern/kernel/sg_husk/skin/skin.msg “Could not boolean the trunk to the branches”
SKIN_BAD_BREAKUP	kern/kernel/sg_husk/skin/skin.msg “Breakup did not produce an equal number of coedges.”
SKIN_BAD_FACE_LOFT	kern/kernel/sg_husk/skin/skin.msg “It was not possible to fix the face loft topology.”
SKIN_BAD_GUIDE_CURVE	kern/kernel/sg_husk/skin/skin.msg “The guide curve is bad”
SKIN_BAD_LOFT_DIR	kern/kernel/sg_husk/skin/skin.msg “Lofting Bad loft take off direction found, perpendicular option was used to create the loft”
SKIN_BAD_MAPPING_CURVE	kern/kernel/sg_husk/skin/skin.msg “The mapping curve is bad”
SKIN_BAD_UV_SKIN_DIR.....	kern/kernel/sg_husk/skin/skin.msg “Surface U and V are in the same or opposite direction.”
SKIN_BAD_UV_VALUE	kern/kernel/sg_husk/skin/skin.msg “Skin Evaluator called with Bad UV values”
SKIN_BAD_UV_VALUE_NET.....	kern/kernel/sg_husk/net/net.msg “Net Evaluator called with Bad UV values”
SKIN_BAD_VECTORS_AND_MAGNITUDES..	kern/kernel/sg_husk/skin/skin.msg “Wrong number of vectors and/or magnitudes provided.”
SKIN_BAD_WIRES	kern/kernel/sg_husk/skin/skin.msg “This is a bad choice of wires.”
SKIN_BAD_WIRE_NORMAL	kern/kernel/sg_husk/skin/skin.msg “Encountered zero wire normal.”
SKIN_BREAKUP_FORCED.....	kern/kernel/sg_husk/skin/skin.msg “Breakup was necessary.”
SKIN_CANNOT_GET_MAPPING_CURVE.....	kern/kernel/sg_husk/skin/skin.msg “Cannot get the requested mapping curve.”
SKIN_CLOSED_GUIDE_NOT_ALLOWED	kern/kernel/sg_husk/skin/skin.msg “A closed guide curve is not allowed if there are not at least three profiles.”
SKIN_COEDGES_NOT_IN_ORDER	kern/kernel/sg_husk/skin/skin.msg “The coedges of a section are not in a sequence”
SKIN_COINCIDENT_COEDGES.....	kern/kernel/sg_husk/skin/skin.msg “Two coedges are coincident”
SKIN_CORRUPT_GUIDE_CURVE	kern/kernel/sg_husk/skin/skin.msg “Internal error, guide curve has become corrupt.”

SKIN_FACE_HAS_SEAM	kern/kernel/sg_husk/skin/skin.msg "Face has a seam"
SKIN_G1_DISCONT_LOFT	kern/kernel/sg_husk/skin/skin.msg "Lofting G1 discontinuous sections, result will have gaps at vertices"
SKIN_GUIDE_CURVE_CROSSES	kern/kernel/sg_husk/skin/skin.msg "The guide curve crosses another guide curve"
SKIN_GUIDE_NOT_INTERSECT	kern/kernel/sg_husk/skin/skin.msg "The guide curve does not intersect all profiles"
SKIN_GUIDE_NOT_START_STOP	kern/kernel/sg_husk/skin/skin.msg "Guide curve does not start and stop on the first and last profile respectively."
SKIN_GUIDE_TRIMMED	kern/kernel/sg_husk/skin/skin.msg "Guide curve's end did not stop on the given profiles. Guide trimming was attempted."
SKIN_IDENTICAL_POSITIONS	kern/kernel/sg_husk/skin/skin.msg "Identical positions were detected during corner matching/alignment"
SKIN_LARGE_TOLERANCE	kern/kernel/sg_husk/skin/skin.msg "Large guide/profile gap exists due to using virtual guides when guide/profile distance is greater than resabs."
SKIN_LOFT_LAW_NON_FINITE_BOUNDS ...	kern/kernel/sg_husk/skin/skin.msg "A given law does not have a finite domain"
SKIN_LOFT_LAW_NOT_3D	kern/kernel/sg_husk/skin/skin.msg "A given law does not return three values"
SKIN_LOFT_LAW_NOT_SINGLE	kern/kernel/sg_husk/skin/skin.msg "A given law is not a single value function"
SKIN_LOFT_LAW_NO_BOUNDS	kern/kernel/sg_husk/skin/skin.msg "A given law does not have a domain"
SKIN_LOFT_RAD_CUR_LESS_RESFIT.	kern/kernel/sg_husk/skin/skin.msg "Loft start or end radius of curvature is smaller than resfit"
SKIN_MAPPING_CURVES_ON_NONCLOSED_PROFILES	kern/kernel/sg_husk/skin/skin.msg "Mapping curves are only allowed on closed profiles"
SKIN_MAPPING_CURVE_INTERSECTION. ...	kern/kernel/sg_husk/skin/skin.msg "The mapping curve intersects another mapping curve"
SKIN_MAPPING_CURVE_OFF_PROFILES ...	kern/kernel/sg_husk/skin/skin.msg "The mapping curve does not intersect a vertex on each wire profile"
SKIN_MULTI_LOOP_FACE	kern/kernel/sg_husk/skin/skin.msg "Face has more than one loop"
SKIN_NOT_ORIENTED	kern/kernel/sg_husk/skin/skin.msg "Skin surfaces could not be oriented"
SKIN_NOT_STITCHABLE_LOFT	kern/kernel/sg_husk/skin/skin.msg "The lofted surfaces could not be stitched"
SKIN_NO_NORMAL	kern/kernel/sg_husk/skin/skin.msg "Cannot determine the profile normal."

SKIN_NO_SIMPLIFY_ON_DRAFT	kern/kernel/sg_husk/skin/skin.msg “Unable to simplify wires when skinning with draft angles.”
SKIN_PATH_INT_CROSS	kern/kernel/sg_husk/skin/skin.msg “Skin path intersections with profiles are not monotonic”
SKIN_PATH_PROFILE_NO_INT	kern/kernel/sg_husk/skin/skin.msg “Skin path does not intersect a profile plane”
SKIN_POINTS_NOT_ALLOWED	kern/kernel/sg_husk/skin/skin.msg “We currently do not support this functionality for point profiles.”
SKIN_PROFILE_INTERSECTION	kern/kernel/sg_husk/skin/skin.msg “Intersecting profiles were detected.”
SKIN_REDUNDANT_TWIST_VERTEX	kern/kernel/sg_husk/skin/skin.msg “Wires were merged: we do not remove minimize twist vertices that are redundant due to an overriding mapping curve.”
SKIN RULED_SURFACE_NOT_MADE	kern/kernel/sg_husk/skin/skin.msg “A ruled skin body was not made.”
SKIN_SOLID_NOT_MADE	kern/kernel/sg_husk/skin/skin.msg “A solid body could not be made”
SKIN_TOO_FEW_COEDGE_LISTS	kern/kernel/sg_husk/skin/skin.msg “At least three distinct profiles are needed”
SKIN_VERTEX_NOT_FOUND	kern/kernel/sg_husk/skin/skin.msg “Temporary guide vertex was not found.”
SKIN_VIRTUAL_OPT_BUT_NO_GUIDE	kern/kernel/sg_husk/skin/skin.msg “VirtualGuides was set to true but no guide curve was given.”
SKIN_WIRES_NOT_ALIGNED	kern/kernel/sg_husk/skin/skin.msg “Opposing wire normals, incorrect wire alignment”
SKIN_WRONG_ALI_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong align option given.”
SKIN_WRONG_ARC_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong arc_length option given.”
SKIN_WRONG_BREAKUP_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong match_vertices option given.”
SKIN_WRONG_CLO_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong closed option given.”
SKIN_WRONG_MERGE_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong merge_wirecoedges option given.”
SKIN_WRONG_NO_TWIST_VERTS_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong no_new_twist_vertices option given.”
SKIN_WRONG_NTW_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong no_twist option given.”
SKIN_WRONG_PDC_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong periodic option given.”
SKIN_WRONG_PERP_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong perpendicular option given.”
SKIN_WRONG_SIM_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong simplify option given.”

SKIN_WRONG_SOL_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong solid option given.”
SKIN_WRONG_TANFACS_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong estimate_loft_tanfacs option given.”
SKIN_WRONG_VGS_OPTION	kern/kernel/sg_husk/skin/skin.msg “Wrong virtualGuides option given.”
SKIN_ZERO_TANGENT_FACTOR	kern/kernel/sg_husk/skin/skin.msg “Zero Tangent factor at one section detected”
SLIVER_FACE	bool/boolean/sg_husk/split/split.msg “split face checking discovered a very small edge or face”
SMALL_LENGTH	kern/kernel/kernapi/api/api.msg “length is too small”
SMALL_RAD1	kern/kernel/kernapi/api/api.msg “radius 1 is too small”
SMALL_RAD2	kern/kernel/kernapi/api/api.msg “radius 2 is too small”
SMOOTH_W_DRAFT	kern/kernel/sg_husk/sweep/sweep.msg “Smooth sweep with draft”
SNAP_TO_DEGEN	covr/cover/sg_husk/cover/cover.msg “start and end point coincident, api_snap_edge does not snap edge to degenerate”
SPAN_EVAL	kern/kernel/spline/agspline/bs3_crv/bs3_crv.ms sg “error evaluating position/derivatives on span”
SPARE_SHELLS	bool/boolean/kernbool/boolean/boolean.msg “shells left in tool body”
SPINE_NOT_FIT	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “attempt to make a tube with an exact spline spine”
SPINE_NOT_INTCURVE	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “attempt to make a tube with an analytic spine”
SPLINE_EDGE	intr/intersct/kerndata/raytest/raytest.msg “raytest – cannot pick intersection edge yet”
SPLINE_SAVE_AS_EXACT	kern/kernel/kernegeom/splsur/splsur.msg “save version unaware of spline type – saved as exact spline”
SPLINE_SAVE_FAILURE	kern/kernel/kernegeom/splsur/splsur.msg “save version unaware of spline type”
SPLIT_ATTR_ERROR	bool/boolean/kernbool/boolean/boolean.msg “edge split attribute missing”
SPLIT_AT_END	bool/boolean/kernbool/boolean/boolean.msg “edge split at one end: maybe coincident geometries in input body”
SPUR_AT_BOTH_ENDS	eulr/euler/kerndata/euler/euler.msg “spur at both ends – not yet handled”
START_END_NULL	kern/kernel/meshhusk/mesh/mesh.msg “cannot handle a null starting or ending point”

STATE_NOT_IN_STREAM.....	kern/kernel/kerndata/bulletin/bulletin.msg “rollback state not in (correct) history stream”
STATE_NOT_ON_TRUNK	kern/kernel/kerndata/bulletin/bulletin.msg “rollback state not on history stream main branch”
STAT_NOT_INIT	kern/kernel/kernapi/api/api.msg “static class definitions not initialised”
STITCHING_FAILED	stitch/stchhusk/stitch/stchutil/stitchr.msg “Stitching could not be completed”
SUBSETTED_CURVE	kern/kernel/kernegeom/curve/curve.msg “save file version too early for bounded curve”
SUBTYPE_USE_COUNT_ERROR.....	kern/kernel/kernutil/subtype/subtype.msg “subtype use-count error”
SURFACE_INCORRIGIBLE.....	covr/cover/repair_husk/repair.msg “Surface incorrigible”
SURFACE_NOT_A_SPLINE.....	covr/cover/repair_husk/acovr.msg “Surface is not a spline”
SURF_BAD_CLOSURE	kern/kernel/sg_husk/api/sgapi.msg “surface closure is wrong”
SURF_NON_C1.....	kern/kernel/sg_husk/api/sgapi.msg “surface is not C1”
SURF_NON_G0.....	kern/kernel/sg_husk/api/sgapi.msg “surface is not G0”
SURF_NON_G1.....	kern/kernel/sg_husk/api/sgapi.msg “surface is not G1”
SURF_NON_G2.....	kern/kernel/sg_husk/api/sgapi.msg “surface is not G2”
SURF_OSC	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “surface osculation at intersection”
SURF_POLE	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “surface pole at intersection”
SWEEP_ADJACENT_FACE	swp/sweep/sg_husk/api/sweepapi.msg “Sweeping a sheet body only allows faces that are not adjacent.”
SWEEP_BRANCHEDWIRE_NONSUPPORTED_OPTION	swp/sweep/sg_husk/api/sweepapi.msg “Sweeping a branched wirebody does not support draft, rigid, sweep to body or twist options”
SWEEP_BRANCHED_WIRE_BAD_PATH	swp/sweep/sg_husk/api/sweepapi.msg “Sweeping a branched wirebody requires a path with continuous tangency at arc segments”
SWEEP_CLOSE_NONPLANAR.....	swp/sweep/sg_husk/api/sweepapi.msg “Closing the profile to the axis has caused the profile to become non-planar.”
SWEEP_DANGLING_WIRE	kern/kernel/sg_husk/sweep/sweep.msg “Cannot sweep dangling wires”
SWEEP_DEG_MULT_LOOP	kern/kernel/sg_husk/sweep/sweep.msg “Sweeping a multiple looped face with obsolete api.”

SWEEP_DISTANCE_NOT_FACE	swp/sweep/sg_husk/api/sweepapi.msg "Only face can be swept with distance option."
SWEEP_DRAFT_NONPLANAR	swp/sweep/sg_husk/api/sweepapi.msg "Sweep with draft on non-planar profile."
SWEEP_DRAFT_NON_G1	swp/sweep/sg_husk/api/sweepapi.msg "Cannot sweep with draft across a G0 path joint."
SWEEP_ELL_PROF_OFF_CENTER	swp/sweep/sg_husk/api/sweepapi.msg "The elliptical profile is slightly off center of the path. The profile is being moved to be exactly centered on the path."
SWEEP_FACE_NO_VEC	swp/sweep/sg_husk/api/sweepapi.msg "Can't identify sweep direction for the non-planar face."
SWEEP_HELIX_SELF_INT	swp/sweep/sg_husk/api/sweepapi.msg "The helical sweep results in a self-intersecting body."
SWEEP_INVALID_PATH	swp/sweep/sg_husk/api/sweepapi.msg "Path must be edge or wire-body."
SWEEP_INVALID_RESULT	swp/sweep/sg_husk/api/sweepapi.msg "Sweeping could not create a valid body."
SWEEP_LAW_SIZE_MISMATCH	swp/sweep/sg_husk/api/sweepapi.msg "Sweep law size does not match path segment number."
SWEEP_NEAR_TANGENT_PATH	swp/sweep/sg_husk/api/sweepapi.msg "Near tangency in the path requires use of tolerant edges."
SWEEP_NONPLANAR_FACE	swp/sweep/sg_husk/api/sweepapi.msg "Function operates on planar face only."
SWEEP_OFFSET_FACE_FAILS	swp/sweep/sg_husk/api/sweepapi.msg "Can't offset the planar face to valid body."
SWEEP_OLD_MITERS	swp/sweep/sg_husk/api/sweepapi.msg "Old miters were used."
SWEEP_OPEN_WIRE_TO_BODY	swp/sweep/sg_husk/api/sweepapi.msg "open wire bodies cannot be swept to face or body."
SWEEP_PATH_INVERTED	swp/sweep/sg_husk/api/sweepapi.msg "Direction of path has been inverted."
SWEEP_PORTION_TO_BODY	swp/sweep/sg_husk/api/sweepapi.msg "Can't sweep the specified portion with to_body option."
SWEEP_PORTION_UNKNOWN	swp/sweep/sg_husk/api/sweepapi.msg "Undefined sweep portion detected."
SWEEP_PROFILE_DISC_G1	swp/sweep/sg_husk/api/sweepapi.msg "Profile is not C1 discontinuous"
SWEEP_PROFILE_NEAR_TANGENT	swp/sweep/sg_husk/api/sweepapi.msg "Sweeping with draft a near tangent profile."
SWEEP_PROFILE_NOT_ON_PATH	swp/sweep/sg_husk/api/sweepapi.msg "Can't locate profile on path."
SWEEP_PROF_DEGEN_AT_START	swp/sweep/sg_husk/api/sweepapi.msg "Can not move profile to path start due to degeneracy."
SWEEP_SCALE_TO_ZERO	swp/sweep/sg_husk/api/sweepapi.msg "Scale value can't be zero."
SWEEP_SELF_INT	law/lawutil/main_law.msg "The sweep results in self-intersecting surface"

SWEEP_SHEETBODY	kern/kernel/sg_husk/sweep/sweep.msg “Sweeping a sheetbody is not supported for rigid, twist or draft”
SWEEP_SHEETBODY_WARNING	swp/sweep/sg_husk/api/sweepapi.msg “Resulting body may contain self intersecting lumps.”
SWEEP_SHEETBODY_WIRE	kern/kernel/sg_husk/sweep/sweep.msg “Sweeping a sheetbody containing wires is not supported with sweep_to_body”
SWEEP_TOL_EDGE_NO_MATCH	swp/sweep/sg_husk/api/sweepapi.msg “Could not insert tolerant edges as needed.”
SWEEP_TO_FACE_OPTIONS	swp/sweep/sg_husk/api/sweepapi.msg “The sweep options bool_type, keep_law, and keep_branches are only applicable with sweep_to_body, not to_face.”
SWEEP_UNBOUNDED	kern/kernel/kernegeom/splsur/splsur.msg “cannot sweep an unbounded curve”
SWEEP_UNDEFINED_DRAFT	swp/sweep/sg_husk/api/sweepapi.msg “Draft angle value is not allowed for sweeping.”
SWEEP_VECTOR_NOT_CONSTANT_LAW	swp/sweep/sg_husk/api/sweepapi.msg “Only constant rail law and no twist can be used with vector option.”
SWEEP_WIRE_IN_SHEETBODY_DRAFT.....	swp/sweep/sg_husk/api/sweepapi.msg “Draft and twist operations not allowed in wires from sheet bodies.”
SWEEP_ZERO_LENGTH	swp/sweep/sg_husk/api/sweepapi.msg “Specified start and end point coincident”
SWEEP_ZERO_VECTOR	swp/sweep/sg_husk/api/sweepapi.msg “Attempt to sweep zero length vector.”
SW_ANGLE_OR	kern/kernel/sg_husk/sweep/sweep.msg “sweep angle out of Range > 2*pi or < -2*pi”
SW_BAD_ORDER	law/lawutil/main_law.msg “A Bezier curve must be at least order 1”
SW_BAD_WEIGHTS	law/lawutil/main_law.msg “The weights of a Bezier curve must be strictly positive.”
SW_SURFACE_EVAL	law/lawutil/main_law.msg “Attempt to evaluate an sw_surface outside its range”
TABLE_OVERFLOW	base/baseutil/mmgr/mmgr.msg “Cannot extend memory allocation table”
TANGENT_EVAL	kern/kernel/kernegeom/intcur/intcur.msg “unimplemented tangent track evaluation requested”
TCOEDGE_NO_PCURVE	kern/kernel/kerndata/top/top.msg “tcoedge has NULL pcurve pointer”
THREE_NEIGHBOURHOODS.....	intr/intersct/kernint/divcon/divcon.msg “Three curve ends in divide-and-conquer”
THUMBWTS_NOT_VALID	abl/abl_scm/ablscm.msg “Cannot have thumbwts with rnd_chamfer or elliptical rad types”
TIME_EXPIRED	scm/scmext/scmext.msg “time expired”

TINY_AREA	intr/intersct/kernbody/faceprop/faceprop.msg “area too small to calculate first and second moments”
TINY_VOLUME	intr/intersct/kernbody/massprop/massprop.msg “volume too small to calculate first and second moments”
TOLERANCE_CRUMBLE	intr/intersct/kerndata/makeint/makeint.msg “tolerance failure with coincident face_face_ints”
TOLERANCE_MISMATCH	kern/kernel/kerndata/savres/savres.msg “Tolerances of restored file do not match current tolerances”
TOL_ADD_TANG_TEDGE	kern/kernel/kerndata/tolmod/tolmod.msg “Tolerant modeling coincident intersection error”
TOL_BAD_EDGE_COUNT	kern/kernel/kerndata/tolmod/tolmod.msg “Unexpected number of edge on a tvertex”
TOL_BAD_PARAM	kern/kernel/kerndata/tolmod/tolmod.msg “Split parameter is outside the TCOEDGES parameter range”
TOL_EDGE_NO_REPLACE	bool/boolean/sg_husk/sliver/sliver.msg “Edge not replaced because closed or in closed group or group exceeds tolerance”
TOL_INT_MISMATCH	kern/kernel/kerndata/tolmod/tolmod.msg “Tolerant intersection mismatch”
TOL_MOD_INCOMPATIBLE	kern/kernel/kerndata/tolmod/tolmod.msg “This function is not tolerant modeling compatible”
TOL_MOD_ZERO_RANGE_TEDGE	kern/kernel/kerndata/tolmod/tolmod.msg “Failed to make TEDGE because it would have had a zero parameter range”
TOO_FEW_SIDES	kern/kernel/kernapi/api/api.msg “too few sides (<3) requested”
TOO_MANY_AUX_INTS	intr/intersct/kerndata/makeint/makeint.msg “more than one intersection with aux surface”
TOO_MANY_ENTS	kern/kernel/kerndata/savres/savres.msg “more than one entity in file, only the first returned”
TOO_MANY_INTS	kern/kernel/kernint/intsf/sf/intsf/sf.msg “two intersections when one or none expected”
TOO_MANY_LOOPS	eulr/euler/kerndata/euler/euler.msg “trying to delete face with >1 loop”
TOP_BOT_INTER	kern/kernel/sg_husk/sweep/sweep.msg “Top and bottom profiles of sweep would intersect.”
TO_CURVE_NULL	kern/kernel/sg_husk/sweep/sweep.msg “Unable to compute top curve”
TRIVIAL_CURVE	kern/kernel/kernint/intsf/sf/intsf/sf.msg “the points for fitting are all equal”
TWIST_NOT_PERP	kern/kernel/sg_husk/sweep/sweep.msg “Path not perpendicular to profile for sweep with twist”
UNACCEPTABLE_MODEL	stitch/stchhusk/stitch/stchutil/stitchr.msg “Bodies with inconsistencies cannot be healed”
UNBOUNDED_EDGE	cstr/constct/kernwire/ewire/ewire.msg “Unbounded or single-point edge in wire”

UNCOVERABLE.....	covr/cover/sg_husk/cover/cover.msg “A loop of coedges cannot be covered”
UNDEF_COEDGE_GEOM.....	intr/intersct/kernbody/faceprop/faceprop.msg “parametric face has coedge with undefined geometry”
UNDEF_EDGE_GEOM.....	intr/intersct/kernbody/faceprop/faceprop.msg “face has edge with undefined geometry”
UNDEF_FACE_GEOM.....	intr/intersct/kernbody/faceprop/faceprop.msg “face has undefined geometry”
UNEXPECTED_EXCEPTION.....	base/baseutil/errorsys/errorbase.msg “Unexpected system exception”
UNEXPECTED_TAN.....	intr/intersct/kerndata/makeint/makeint.msg “edge tangent to intersection curve but not to surface”
UNFINDABLE_ENCLOSE_FACES.....	ct/ct_husk/compute/compute.msg “Could not find a valid enclose face for every cell.”
UNIMPLEMENTED_CURVE.....	kern/kernel/kernegeom/curve/curve.msg “stream not yet provided for this type of curve”
UNIMPLEMENTED_MSH_SUR.....	kern/kernel/meshhusk/surface/meshsur.msg “unimplemented msh_sur type read”
UNIMPLEMENTED_REPARAM.....	kern/kernel/kernegeom/surface/surface.msg “unimplemented surface reparam() function called”
UNIMPLEMENTED_SURFACE.....	kern/kernel/kernegeom/surface/surface.msg “unimplemented surface type read”
UNIMPL_PCUR_CUR.....	kern/kernel/kernegeom/intcur/intcur.msg “unimplemented member function of pcur_int_cur called”
UNINITIALIZED_FREELIST.....	base/baseutil/mmgr/mmgr.msg “uninitialized freelist”
UNITS_NOT_EQUAL.....	kern/kernel/kerndata/savres/savres.msg “save units not equal to the restored units”
UNKNOWN_BS_CURVE.....	kern/kernel/spline/agspline/bs3_crv/bs3_crv.ms sg “unknown class of spline curve in save file”
UNKNOWN_BS_FORM.....	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “unknown spline surface end form”
UNKNOWN_BS_SING.....	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “unknown spline surface singularity type”
UNKNOWN_BS_SURFACE.....	kern/kernel/spline/agspline/bs3_srf/bs3_srf.ms g “unknown class of spline surface in save file”
UNKNOWN_COLOR_MATERIAL.....	rbase/rnd_husk/entities/entities.msg “unknown color material component”
UNKNOWN_CURVE.....	intr/intersct/kerndata/raytest/raytest.msg “unknown curve type of edge”
UNKNOWN_DISPLACEMENT_MATERIAL...	rbase/rnd_husk/entities/entities.msg “unknown displacement material component”

UNKNOWN_ELEMENT	kern/kernel/meshhusk/mesh/mesh.msg “element class is unknown to the mesh husk”
UNKNOWN_ENTITY	kern/kernel/kerndata/savres/savres.msg “unknown entity type(s) found”
UNKNOWN_FACE_CONT	bool/boolean/kernbool/boolean.msg “face containment cannot be determined”
UNKNOWN_GEOM	intr/intersct/kernbody/faceprop/faceprop.msg “face has an unrecognised geometry type”
UNKNOWN_REFLECTANCE_MATERIAL	rbase/rnd_husk/entities/entities.msg “unknown reflectance material component”
UNKNOWN_SCAN_TYPE	kern/kernel/kerndata/data/data.msg “called copy_scan() with unknown scan type”
UNKNOWN_SUBTYPE	kern/kernel/kerndata/savres/savres.msg “unknown entity subtype(s) found”
UNKNOWN_SUBTYPE_BINARY	kern/kernel/kernutil/subtype/subtype.msg “subtype object of unknown type in binary save file”
UNKNOWN_SUBTYPE_OLD	kern/kernel/kernutil/subtype/subtype.msg “subtype object of unknown type in old_style save file”
UNKNOWN_SURF	intr/intersct/kerndata/raytest/raytest.msg “unknown surface type of edgeless face”
UNKNOWN_SURFACE	intr/intersct/kerndata/ptiface/ptiface.msg “unknown surface for point-in-loop”
UNKNOWN_TOP_ENTITY	kern/kernel/kerndata/savres/savres.msg “unknown first entity type in restore file”
UNKNOWN_TRANSPARENCY_MATERIAL	rbase/rnd_husk/entities/entities.msg “unknown transparency material component”
UNMATCHED_POINT	intr/intersct/kernint/divcon/divcon.msg “Only one curve end in divide-and-conquer”
UNMERGEABLE_STATES	kern/kernel/kerndata/bulletin/bulletin.msg “states cannot be merged”
UNNOTED_STATE	kern/kernel/kerndata/bulletin/bulletin.msg “rollback from unnoted state”
UNREASONABLE_ARG	base/baseutil/rtchecks/rtchecks.msg “Unreasonable argument to math function”
UNRECOGNIZED_BDY_GEOM	kern/kernel/kernegeom/d3_vbl/d3_vbl.msg “Unrecognized type for BDY_GEOM read”
UNRECOGNIZED_RADIUS_FORM	kern/kernel/sg_husk/vrbln/vrbln.msg “Unrecognized radius form read”
UNSMOOTH_DRAFT	kern/kernel/sg_husk/sweep/sweep.msg “Adjacent Edges Not continuous for draft sweep”
UNTAGGED_INPUT	kern/kernel/kerndata/data/data.msg “untagged input for annotation”
UNTREAT_SING	kern/kernel/sg_husk/api/sgapi.msg “untreatable singularities in a surface”
U_WIRE_DEGENERATE	kern/kernel/sg_husk/net/net.msg “Net U interior Wire is degenerate”
U_WIRE_MULTI_COEDGE	kern/kernel/sg_husk/net/net.msg “Net U Wire contains more than one coedge”

VALUE_NEGATIVE	kern/kernel/kernapi/api/api.msg “value not positive or zero”
VALUE_NOT_POSITIVE	kern/kernel/kernapi/api/api.msg “value not positive”
VALUE_OUT_RANGE	kern/kernel/kernapi/api/api.msg “value out of range”
VALUE_ZERO	kern/kernel/kernapi/api/api.msg “value too close to zero”
VECTORS_NOT_PERP	kern/kernel/kernapi/api/api.msg “vectors not perpendicular”
VERTEX_INT	intr/intersct/kerndata/makeint/makeint.msg “make_ff_int: no start intersection in next coedge”
VERTEX_NOT_ON_EDGE	intr/intersct/sg_husk/split/spled.msg “input edge is not on the edge.”
VERTEX_ON_EDGE_END	intr/intersct/sg_husk/split/spled.msg “split edge at vertex.”
VRB_SAVE_APPROX	kern/kernel/sg_husk/vrbln/vrbln.msg “variable radius blend saved to old version as approximation”
V_WIRE_DEGENERATE	kern/kernel/sg_husk/net/net.msg “Net V interior Wire is degenerate”
V_WIRE_MULTI_COEDGE	kern/kernel/sg_husk/net/net.msg “Net V Wire contains more than one coedge”
WATCH_POINT	base/baseutil/mmgr/mmgr.msg “Interrupt at memory allocation watch point”
WIRES_NOT_COPLANAR	covr/cover/sg_husk/cover/cover.msg “wires are not co-planar”
WIRE_BODY_NOT_SUPPORTED	heal/healhusk/util/healer.msg “Wire bodies not supported in the Heal Husk”
WIRE_GRAZE	bool/boolean/kernbool/boolean/boolean.msg “wire grazing edge not yet implemented”
WIRE_HAS_BRANCH	covr/cover/sg_husk/cover/cover.msg “cannot cover a branched wire”
WIRE_MET	covr/cover/sg_husk/cover/cover.msg “wire edge met”
WIRE_NOT_CLOSED	covr/cover/sg_husk/cover/cover.msg “can only cover closed wires”
WIRE_NOT_IN_FACE	bool/boolean/kernbool/boolean/boolean.msg “wire not in any piece of subdivided face”
WIRE_NOT_PLANAR	covr/cover/sg_husk/cover/cover.msg “wire is not planar”
WIRE_SELF_INTERSECTS	intr/intersct/sg_husk/utls/utls.msg “Wire has self-intersection”
WIRE_X_AXIS	kern/kernel/sg_husk/sweep/sweep.msg “Self-intersection created by profile intersecting axis or crossing center of elliptical path.”
WRONG_ENTITY_TYPE	intr/intersct/kerndata/raytest/raytest.msg “ray test hit unexpected entity type”

WRONG_INPUT	abl/abl_scm/ablscm.msg “Incorrect input: wrong number, order or type of arguments”
WRONG_LENGTH	abl/abl_scm/ablscm.msg “Input lists must have equal lengths”
WRONG_STATE	kern/kernel/kerndata/bulletin/bulletin.msg “rollback from incorrect system state”
ZERO_CONE	cstr/constrect/sg_husk/face/face_cstr.msg “Cannot make zero area Cone”
ZERO_DISTANCE	kern/kernel/kernapi/api/api.msg “distance too close to zero”
ZERO_FIT_INTCURVE	kern/kernel/kernegeom/intcur/intcur.msg “Encountered invalid intcurve without spline approximation”
ZERO_FIT_PCURVE	kern/kernel/kernegeom/pcurve/pcurve.msg “Invalid pcurve without spline approximation”
ZERO_LENGTH	kern/kernel/kernapi/api/api.msg “length too close to zero”
ZERO_LENGTH_AXIS	kern/kernel/geomhusk/geomhusk.msg “Zero length axis.”
ZERO_LENGTH_EDGE	kern/kernel/geomhusk/geomhusk.msg “Cannot create zero length edge.”
ZERO_NORMAL	kern/kernel/kernapi/api/api.msg “normal too close to zero”
ZERO_PLANE	kern/kernel/geomhusk/geomhusk.msg “Cannot make zero area Plane”
ZERO_PLANE_NORM	kern/kernel/kernegeom/surface/surface.msg “attempt to evaluate a plane with zero normal”
ZERO_SPHERE	cstr/constrect/sg_husk/face/face_cstr.msg “Cannot make zero area Sphere”
ZERO_TORUS	cstr/constrect/sg_husk/face/face_cstr.msg “Cannot make zero area Torus”
ZERO_TORUS_NORM	kern/kernel/kernegeom/surface/surface.msg “attempt to evaluate a torus with zero normal”