

Chapter 7.

Enumerations

Topic: Ignore

In C++, an enumeration (enumerated data type) defines a list of constant integer values, each with a unique identifier name. Enumerations are defined using the enum keyword. Refer to the *3D ACIS Online Help User’s Guide* for a description of the fields in the reference template.

DM_flipped_state

Enumeration: Deformable Modeling

Purpose: Specifies relative handedness of two surfaces linked together.

Filename: ds/dshusk/dskernel/dmapinum.hxx

Values: DM_flip_unknown=-1 initial value – uses Calc_flipped_coords to decide surfaces have same handedness
DM_unflipped=0 surfaces have opposite handedness
DM_flipped=1

DM_target_memory

Enumeration: Deformable Modeling

Purpose: Specifies what happens to target curve (or point) when converting between constraints and loads.

Filename: ds/dshusk/dskernel/dmapinum.hxx

Values: DM_remember_target=0 new behavior has same target
DM_forget_target=1 target is surface shape at time of conversion

DS_CSTRN_SRC

Enumeration: Deformable Modeling

Purpose: Classifies and identifies constraint purpose and behaviour.

Filename:	ds/dshusk/dskernel/dmapinum.hxx	
Values:	ds_solid_cstrn=0	pt or crv_cstrn from connected ACIS solid model boundary
	ds_bound_cstrn=1	pt or crv_cstrn from unconnected ACIS solid model boundary
	ds_user_cstrn=2	pt or crv_cstrn generated by end-user at run-time
	ds_seam_cstrn=3	pt or crv_cstrn connecting a patch to a parent patch
	ds_link_cstrn=4	pt or crv_cstrn connecting two multisurf patches
	ds_undef_cstrn=5	default val for uninitiated states
	ds_invalid_cstrn=6	cstrn from constructor with invalid input arguments

DS_PFN

Enumeration:	Deformable Modeling	
Purpose:	Enumerator for DS_pfunc type_id.	
Filename:	ds/dshusk/dskernel/dmapinum.hxx	
Values:	ds_pfn=0	
	ds_tp1=1	class DS_tprod_1d
	ds_tp2=2	class DS_tprod_2d
	ds_rp1=3	class DS_rprod_1d
	ds_rp2=4	class DS_rprod_2d
	ds_cir=5	optional class DS_circ

DS_TAGS

Enumeration:	Deformable Modeling	
Purpose:	Enumeration of all possible tag object types.	
Filename:	ds/dshusk/dskernel/dmapinum.hxx	

Values:	DS_tag_none=0	value for no such tag object
	DS_tag_control_pt=1	pfunc dof object (the control points)
	DS_tag_pt_press=2	point pressures [Base DS_load]
	DS_tag_dist_press=3	distributed pressure [Base DS_load]
	DS_tag_spring=4	Spring load [Base DS_load]
	DS_tag_spring_set=5	A set of spring loads [Base DS_load]
	DS_tag_crv_load=6	Curve Spring load [Base DS_load]
	DS_tag_dyn_load=7	Dynamic load [Base DS_load]
	DS_tag_pt_cstrn=8	point constraint [Base DS_cstrn]
	DS_tag_pt_seam=9	seam pt_cstrn [Base DS_cstrn]
	DS_tag_crv_cstrn=10	curve constraint [Base DS_cstrn]
	DS_tag_crv_seam=11	seam crv_cstrn [Base DS_cstrn]
	DS_tag_srf_dmod=12	surface dmod [Base DS_dmod]
	DS_tag_crv_dmod=13	curve dmod [Base DS_dmod]
	DS_tag_vector_load=14	vector_load [Base DS_load]
	DS_tag_attractor=15	attractor load [Base DS_load]
	DS_tag_link_cstrn=16	multi-surf link cstrn [Base DS_cstrn]
	DS_tag_area_cstrn=17	area cstrn [Base DS_cstrn]
	DS_tag_link_load=18	link load [Base DS_cstrn]
	DS_tag_track_pos_crv=19	tracking pos curve dmod [BASE DS_dmod]
	DS_tag_track_tan_crv=20	tracking tan curve dmod
	DS_tag_track_curv_crv=21	tracking curvature curve dmod
	DS_tag_area_load=22	area load [Base DS_cstrn]