Appendix B.
Syntax Summary

Topic: Ignore

This appendix provides a syntax summary of reference items defined in the Offsetting Component. There is a separate section for each item type (Scheme extension, test harness command, etc.), and the items within each section are alphabetized. Just the syntax of each item is given; refer to the item's reference template for a complete description.

Functions

Topic: Ignore

```
outcome api_edge_helix(SPAposition axis_start, SPAposition
   axis_end, SPAvector start_dir, double radius, double
   thread_distance, logical handiness, EDGE*& new_edge,
   AcisOptions* ao = NULL)

outcome api_initialize_offsetting()

outcome api_offset_face(FACE* given_face, double offset_distance,
   FACE*& offset_face, AcisOptions* ao = NULL)

outcome api_offset_planar_wire(BODY* given_wire, double
   offset_distance, const SPAunit_vector& wire_normal, BODY*&
   offset_wire, AcisOptions* ao = NULL)

outcome api_offset_planar_wire(BODY* given_wire, law* offset_law,
   law* twist_law, const SPAunit_vector& wire_normal, BODY*&
   offset_wire, int gap_type = 2, logical trim = TRUE, logical
   overlap = FALSE, AcisOptions* ao = NULL)

outcome api_offset_planar_wire(WIRE* given_wire, TRANSFORM const*
   trans, double offset_distance, const SPAunit_vector&
   wire_normal, BODY*& offset_wire, AcisOptions* ao = NULL)

outcome api_terminate_offsetting()
```

Scheme Extensions

Topic: Ignore

```
(edge:helix axis–start axis–end start–dir radius
    thread–distance [handedness=#t])
```

```
(face:offset face distance [apply-transform=#f])

(wire-body:offset wire offset-distance-law
    [twist-law] [gap-type] [trim] [direction])
```