

NASA COMMON RESEARCH MODEL

IGES GEOMETRY

ITI CADFIX CHANGE NOTES

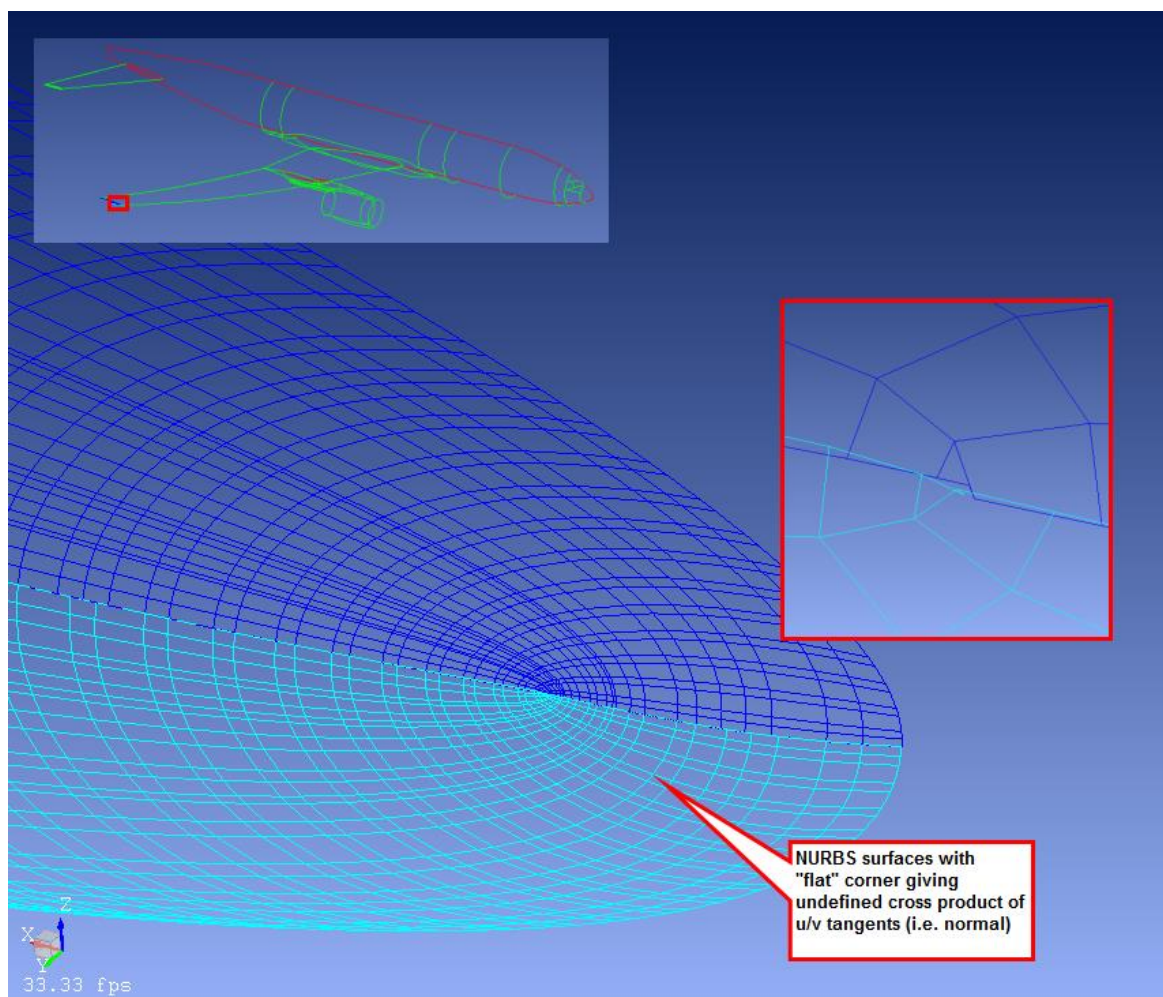
LAST UPDATED: V09 28-JAN-2016

1. ADDITIONAL MODIFICATIONS FOR VERSION 09

The following modifications were made to version 08 to produce version 09

1.1. WINGTIP

The wingtip surfaces are defined using a couple of NURBS surfaces with a near 180 corner, where well defined corners are normally closer to 90 degrees. Under deformation this particularly difficult location on the NURBS surface was experiencing some very localised twisting of the surface at the "flat" corner. This could cause some mesh generators problems if they use evaluated surface normals.



The localised twisting of the NURBS surface at the flat corner has been smoothed out in all the deformed configurations.

The baseline undeformed configuration has not been altered, but v09 versions of the model have been generated for completeness.