

#1286: OptiStruct – Maximum Principal Stress for PSD/RMS

Product: OptiStruct

Product Version: OptiStruct 2017.2 or above

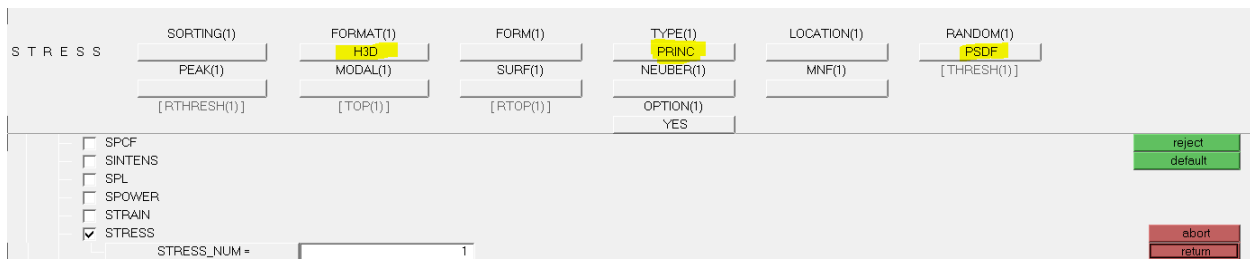
Topic Objective

Maximum Principal Stress for PSD/RMS analysis in OptiStruct

Topic Details

The absolute maximum principle stresses can be obtained for PSD stress results.

Example of stress output in Random Response Analysis.



STRESS

SORTING(1) FORMAT(1) FORM(1) TYPE(1) LOCATION(1) RANDOM(1)

PEAK(1) H3D SURF(1) PRINC MNF(1) PSDF

[RTHRESH(1)] [TOP(1)] [RTOP(1)] NEUBER(1) [THRESH(1)]

OPTION(1)

YES

SPCF reject

SINTENS default

SPL

SPOWER

STRAIN

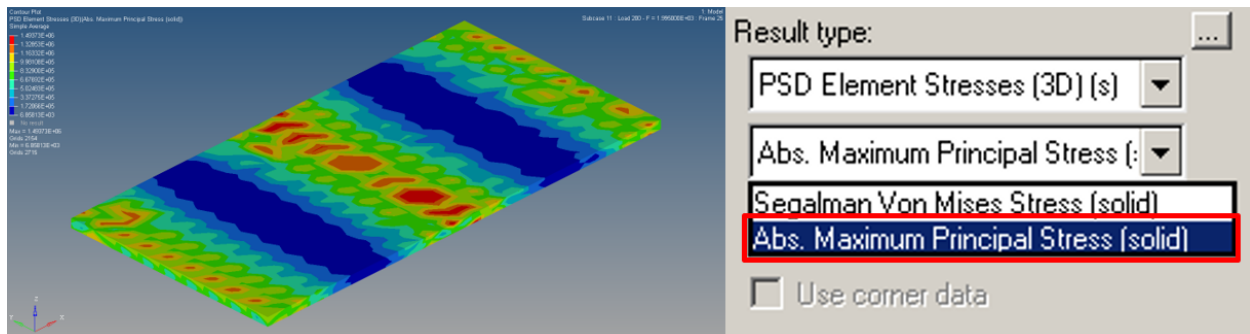
STRESS

STRESS_NUM = 1

abort

return

STRESS(H3D, , PRINC, PSDF) = ALL



The absolute maximum principle stresses are currently available for H3D format.