

## #1296: OptiStruct – Ply Based Composite Topography Optimization

**Product:** OptiStruct

**Product Version:** OptiStruct 14.0 or above

### Topic Objective

Ply-Based Composite Topography Optimization in OptiStruct.

### Topic Details

Ply-based composite parts may now be optimized for topography optimization.

- To setup, set the TYPE field on the DTPG Bulk Data Entry to STACK.
- The corresponding STACK entries that define the Topography design space are referenced on the PID# fields.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
DTPG	ID	TYPE	PID1/DVID	PID2	PID3	PID4	PID5	PID6	
TYPE		Indicate whether DTPG card is defined for PSHELL, PCOMP, DVGRID, or STACK (Laminate). No default (PSHELL, PCOMP, DVGRID, or STACK)							
PID#/DVID		If TYPE is PSHELL or PCOMP, then this entry is a Property identification number. Use ALL if it applies to all properties of type PTYPE in the model. Numerous PIDs may be given. If TYPE is DVGRID, this entry is the Design Variable number for a set of DVGRIDs. Only one DVID may be given. If TYPE is STACK, this entry is a STACK (Laminate) identification number. Numerous STACK ID's may be provided. Default = ALL (Integer > 0, blank or ALL)							

