

#1347: OptiStruct – LGDISP support for Anisotropic Materials

Product: OptiStruct

Product Version: OptiStruct 14.0 or above

Topic Objective

LGDISP support for anisotropic materials with OptiStruct.

Topic Detail

Anisotropic material (MAT9) for solids is supported in a large displacement analysis

Cards required for the setup: MAT9 & PARAM, LGDISP,1

Format

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
MAT9	MID	G11	G12	G13	G14	G15	G16	G22	
	G23	G24	G25	G26	G33	G34	G35	G36	
	G44	G45	G46	G55	G56	G66	RHO	A1	
	A2	A3	A4	A5	A6	TREF	GE		

Example

```

SUBCASE      3
ANALYSIS NLSTAT
  SPC =      1
NLPARM(LGDISP) =      3
  DLOAD =    9
NLOUT =      4
SOLVTYP =   25
    
```

