

#1322: OptiStruct – Random Response Fatigue Analysis with Strain-Life Approach

Product: OptiStruct

Product Version: OptiStruct 2017.2.2 or above

Topic Objective

Random response fatigue analysis with strain-life approach support in OptiStruct.

Topic Detail

Static loads can now be applied sequentially in fatigue analysis from Version 2017.2 Strain-Life approach is supported for Random Fatigue Analysis.

Stress life approach is already available.

Only Uniaxial Analysis is supported with combined stress as von-Mises stress.

The TYPE field on the FATPARAM Bulk Data Entry can be used to identify stress-life (SN) or strain-life (EN).

```
FATPARAM 5003 EN
+ STRESS VM
+ CERTNTY 1.0-9
+,RDMGMDL, DIRLIK, LALANNE, THREE, NARROW
```

