The **NONLINEAR ITERATION LIMIT** command

**Synopsis**

The **NONLINEAR ITERATION LIMIT** command specifies the maximum number of iterations in which convergence can be realized in a given solution increment.

**Syntax**

The following syntax is associated with the **NONLINEAR ITERATION LIMIT** command:

```
NONlinear ITEration LIMit ##
```

**Explanatory Notes**

- The value of the iteration limit controls the maximum number of iterations permitted in any single solution increment.
- For initial analyses of a problem, a value in the range 5 to 10 is usually appropriate.
- The `default` value for the iteration limit is five (5).

**Example of Command Usage**

To specify a limit of 10 iterations per solution increment, enter either of the following commands:

```
nonlinear iteration limit 10
non ite lim 10
```