The **NONLINEAR SCHEME** command

**Synopsis**

The **NONLINEAR SCHEME** command specifies the algorithm to be used in an incremental solution.

**Syntax**

The following syntax is associated with the **NONLINEAR SCHEME** command:

```
NONlinear SCHeme [ TANgent (STiffness) | SUCcessive (APProximations) | PARameter #.# ]
```

**Explanatory Notes**

- The value of the **NONLINEAR SCHEME PARAMETER** determines the approximation to be used for the Jacobian in the Newton-Raphson iteration for the nonlinear problem [1].

- The **TANGENT STIFFNESS** method corresponds to a parameter of 0.0; this is the *default* condition.

- For the method of **SUCCESSIVE APPROXIMATIONS**, the parameter should be set equal to 1.0.

**Example of Command Usage**

To specify the method of successive approximations, enter either of the following commands:

```
nonlinear scheme  suc  approx
non sch  parameter  1.0
```
Bibliography