**ANALYSIS ACTION** command

**Synopsis**

The **ANALYSIS ACTION** command is used to select the extent of the solution that APES shall perform.

**Syntax**

The following syntax is associated with the **ANALYSIS ACTION** command:

```
ANAlysis ACTion [ ANAlyze | CHEck ]
```

**Explanatory Notes**

- If the **CHECK** keyword is specified, program execution will terminate after the mathematical model has been generated and pertinent values printed. *In order to avoid wasting computer time analyzing an incorrect model, this option should be used prior to the initial analysis of all but the most trivial problem.* For this reason, the **CHECK** option is the default condition set in APES.

- If the **ANALYZE** keyword is specified, the mathematical model is created and an analysis is performed.

**Example of Command Usage**

To perform an analysis of a previously verified mathematical model, enter either of the following commands:

```
analysis action analyze
ana act ana
```