

Notes on Use of VecTor Programs:

The VecTor analysis programs operate in a DOS-environment. Various input files are created or edited using standard text editors; output files are similarly viewed using text editors. In the case of **VecTor2**, input files can be created using the advanced pre-processor **Form Works**, and output results can be viewed using the post-processor **Augustus**.

Each VecTor program requires three types of input files:

1. A job file (*.job), in which job parameters, analysis parameters, load factors and load history, and behaviour model selections are specified.
2. A structure file (*.s#r, where # is the VecTor program number being used; e.g., *.s2r if VecTor2 is being used). The structure file defines the geometry and boundary conditions of the structure, and the material properties.
3. One or more load files (*.1#r, where # is the VecTor program number being used; e.g., *.l2r if VecTor2 is being used). The load files define the types and magnitudes of the loads applied to the structure.

Care should be taken in editing the input files, as in some case free format is not permitted (i.e., data is field delineated).

Prior to execution of an analysis, the *.job file should be copied to the file 'vector.job'. Analysis can then begin by executing the analysis program file. For example, in the case of VecTor2, the executable file VT2.exe would be engaged.

A VecTor analysis will produce two types of output files:

1. Text files (*.a#e, where # is the VecTor program number being used; e.g., *.a2e if VecTor2 is being used). These files summarize the analysis results (e.g., deflections, reactions, strains, stresses, etc.) and can be viewed using a text editor.
2. Binary files (*.a#r, where # is the VecTor program number being used; e.g., *.a2r if VecTor2 is being used). Binary files can be used as seed files for resumed analyses.

Depending on the job parameters specified, a series of results files of each type will be generated (i.e., one of each per load stage).

Additional information regarding use of the VecTor programs can be found in the *VecTor2 and FormWorks Manual*) (see [Publications, User Manuals](#)).

Good Luck!