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TAURUS/PC

An Interactive Post-Processor for the Analysis Personal Computer
Codes of NIKE3D/PC, DYNA3D/PC, TOPAZ3D/PC, and TAC03D/PC

TAURUS/PC reads the binary plot files generated by the two and three dimensional finite element PC codes currently developed by **Galaxy Advanced Engineering, Inc. (GAE)** and plots contours, time histories, and deformed shapes in conjunction with the **DIGLIB/PC** also developed by GAE. Contours of a large number of quantities may be plotted on meshes consisting of plate, shell, and solid type elements.

TAURUS/PC can compute a variety of strain measures, reaction forces along constrained boundaries, and momentum and is operational on the IBM/PC AT 386 or 100% compatible with minimum 2 MB RAM under DOS operating system as well as PC/Windows/95/98/2000/XP/ME and NT. The code also can be modified for UNIX based machines.

TAURUS/PC replaces the non-interactive post-processor **DYNAP** and the interactive **GRAPE** and **DIGLIB/PC** as the three-dimensional post-processor for **NIKE3D/PC**, **TAC03D/PC**, and **GEMINI**. If desired, it can now also be used as a post-processor for the two-dimensional programs **NIKE2D/PC**, **DYNA2D/PC**, **TOPAZ2D/PC** and **TAC02D**. **TAURUS/PC** combines the **DIGLIB/PC** code for plotting geometry and contours with the capability contained in the **DYNAP** program. A simplified command structure has been adopted to replace the **GRAPE** command structure. This new structure is similar to, but not identical to that used in **ORION/PC** and **MAZE/PC** also developed by GAE, Inc.

TAURUS/PC uses very simple and understandable commands, and only a small subset of the available commands is needed to effectively plot data. It assumes that the user is sitting in a fixed position looking at the model. The model is then rotated, zoomed in on, and translated upon the user's command. To fully utilize **TAURUS/PC** the coordinate systems must be known and understood. During initialization, the code finds the range of the model in X, Y and Z, then translates the model's origin to the center of ranges. The model may be displayed with either the **DRAW** (display all lines) or **VIEW** (remove the hidden lines or make a continuous tone image) commands. When run interactively, **TAURUS/PC** interrogates the user for a box number and a **TMDS** number and proceeds to initialize.

To order this product, please contact our company at (650) 740-3244.