Solid

Solids are eight-node objects used to [model](#) 3D structural systems. Each solid has six quadrilateral faces with a [joint](#) at each corner. Nodes may be collapsed to form wedges, tetrahedra, and other irregular volumes. An isoparametric formulation offers nine optional incompatible bending [modes](#) which improve bending behavior. Material, temperature-dependent, and anisotropic properties may be assigned, and gravity loads, surface pressures, pore pressures, and thermal loads may be applied. Aspect ratios should be less than four, while those near unity provide for the best results.

Additional information is available in the [CSI *Analysis Reference Manual*](#) (The Asolid Element, page 230 *and* The Solid Element, page 215).

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