14.35   PLANE35 — 2–D 6–Node Triangular Thermal Solid
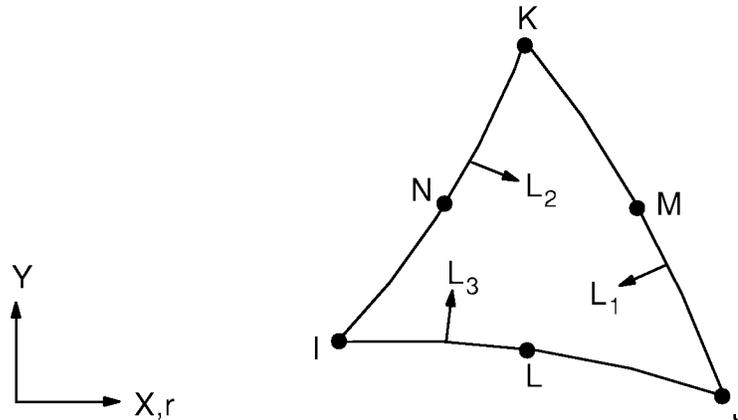
Matrix or Vector	Shape Functions	Integration Points
Conductivity Matrix	Equation (12.6.2–20)	6
Specific Heat Matrix	Equation (12.6.2–20). If KEYOPT(1)=1, matrix is diagonalized as described in Section 13.2	6
Heat Generation Load Vector	Equation (12.6.2–20)	6
Convection Surface Matrix and Load Vector	Equation (12.6.2–20), specialized to the face	2

14.35.1   Other Applicable Sections

Chapter 6 describes the derivation of thermal element matrices and load vectors as well as heat flux evaluations. Section 13.1 describes integration point locations.