14.1   LINK1 — 2–D Spar (or Truss)
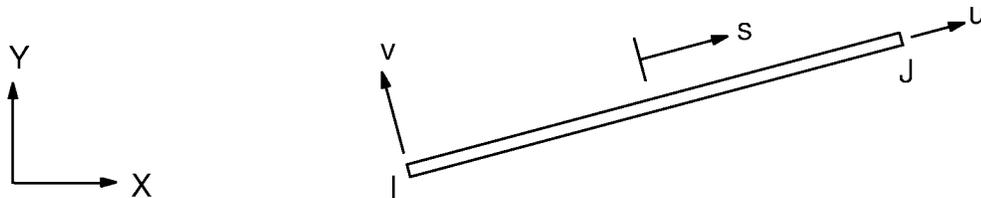
Matrix or Vector	Shape Functions	Integration Points
Stiffness Matrix	Equation (12.1.1–1)	None
Mass Matrix	Equations (12.1.1–1) and (12.1.1–2)	None
Stress Stiffness Matrix	Equation (12.1.1–2)	None
Thermal Load Vector	Equation (12.1.1–1)	None

Load Type	Distribution
Element Temperature	Linear along length
Nodal Temperature	Linear along length

14.1.1   Assumptions and Restrictions

The element is not capable of carrying bending loads. The stress is assumed to be uniform over the entire element.

14.1.2   Other Applicable Sections

LINK8, the 3–D Spar, has analogous element matrices and load vectors described, as well as the stress printout.