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mechanical simulation

of deformable solids. In

this introduction, use

simplifying assumptions

to more easily convey

the main ideas: at initial

time the object is

undeformed, and the

material coordinates

exactly match the space
coordinates.

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...
NN = Number of
Nodes; NE = Number
of Elements; NM =
Number of Different
Materials NDIM =
Number of Coordinates
per Node (e.g., NDIM
U or 2 · D. or = 3 for 3.D):
NEN = Number of
Nodes per Element (e.g.,
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