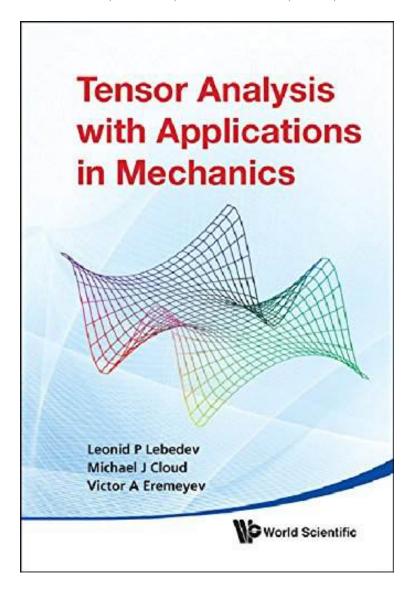
Tensor Analysis With Applications in Mechanics

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By Leonid P. Lebedev, Michael J. Cloud, Victor A Eremeyev: Tensor Analysis With Applications in Mechanics in continuum mechanics stress is a physical quantity that expresses the internal forces that neighboring particles of a continuous material exert on each other note the stress state is a second order tensor since it is a quantity associated with two directions as a result stress components have 2 subscripts Tensor Analysis With Applications in Mechanics:

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