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materials and structural engineers routinely need to estimate stresses and deflections in geometrically more irregular articles this is the function of stress analysis by which we mean the collection of theoretical and □□□ 2023□12□21□ stress analysis in solid mechanics course overview stress analysis is a very important task for engineers in civil mechanical aerospace and many other subjects although it is called stress analysis it looks for both stress and strain over the structure so that to determine the condition of a structure under external loads □□□ stress analysis general stress analysis the results presented in earlier modules for trusses beams and other simple shapes provide much of the information needed in design of load bearing structures however materials and structural engineers routinely need to estimate stresses and deflections in geometrically more irregular articles

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