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finite element method in structural mechanics wikipedia Dec 13 2022 the finite element method fem is a powerful technique originally developed for numerical solution of complex problems in structural mechanics and it remains the method of choice for complex systems in the fem the structural system is modeled by a set of appropriate finite elements interconnected at discrete points called nodes

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analysis or fea is the simulation of a physical phenomenon using a numerical mathematic technique called the finite element method or fem this process is at the core of

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