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The extended finite element method (XFEM) is a numerical technique based on the generalized finite element method (GFEM) and the partition of unity method (PUM). It extends the classical finite element method by enriching the solution space for solutions to differential equations with discontinuous functions.

Finite element method - Wikipedia

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Welding Simulations of Aluminum Alloy Joints by Finite

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Finite Element Simulations with ANSYS Workbench 16: Huei

Key Words: Metal Forming, Finite Element Analysis, Simulations The term simulation is derived from the Latin word "simulare" what means "to pretend". However, the technical meaning of simulation is the description and reproduction of physical and technical processes by use of mathematical and physical

A Review on Finite Element Simulations in Metal Forming

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Finite Element Method Magnetics Version 4.2 User's Manual October 25, 2015 David Meeker dmeeker@ieee.org

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