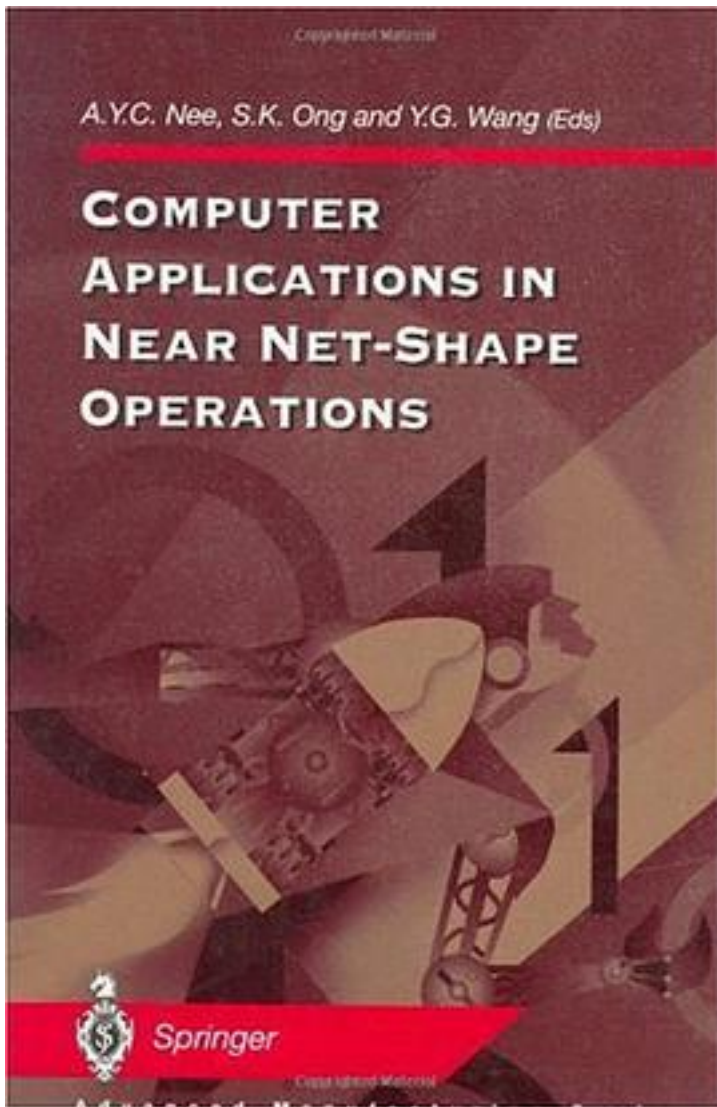


# Computer Applications in Near Net-Shape Operations (Advanced Manufacturing)



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The process of producing components to final net-shapes is fast becoming a desirable goal for metal working industries. This is due to a combination of factors such as the development of new materials and escalating energy costs. Computer Applications in Near Net-Shape Operations addresses the design, analysis and simulation of near net-shape operations using some of the most advanced computer techniques and tools available. Topics covered include: Sheet metal forming operations: progressive stamping, fine blanking, nesting, flat pattering, bending and nibbling; Die design, construction and NC programming of wire EDM; Bulk metal forming processes such as cold upsetting and close-die forging; Injection mould design, analysis and simulation; Computer-aided design of CNC machines for near net-shape operations; Intelligent progressive die design system IPD. This collection of the latest developments from leading experts in the field will be of interest to practising engineers, graduate students and researchers of metal forming, stamping, mould and die design.

作者介绍:

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