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Ву -

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eraeks in plates and shells. It was noted in Volume 2 on three-dimensional eraek problems that
additional free surfaees can lead to substantial mathematical complexities, often making the
analysis unmanageable. The theory of plates and shells forms a part of the theory of elasticity in
which eertain physical assumptions are made on the basis that the distance between two bounded
surfaees, either fiat or eurved, is small in eomparison with the overall dimen-sions of the body. In
modern times, the broad and frequent applications of plate- and shell-like structural members have
aeted as a stimulus to which engineers and researchers in the field of fracture mechanics have
responded with a wide variety of solutions of technical importance. These contributions are
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