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Investigation of the solvability of the nonlinear equilibrium problem for an unfixed shallow shell

Karchevskii M.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2014, Pleiades Publishing, Ltd. A sufficient condition for the solvability of the variational problem on the equilibrium of a shallow shell with free edges is obtained in the framework of a geometrically and physically nonlinear model of median bending.

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Keywords

iterative method, potential operator, pseudomonotone operator, soft lattice shell, variational inequality