N-th Approximation of Hierarchical Models for Kelvin-Voigt Plates with Variable Thickness

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Using I. Vekua's [1,2] dimension reduction method, governing systems are derived and in the *N*th approximation boundary value problems are set for Kelvin-Voigt plates with variable thickness. The ways of investigation of boundary value problems are indicated.

References

1. I.N. Vekua, Shell Theory: General methods of construction, Pitman Advanced Publishing Program, Boston-London, Melbourne, 1985.
2. G. Jaiani, Cusped Shell-Like Structures, Springer, Heidelberg-Dordrecht- London-New York, 2011.