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External Pressure Stability Research of 3D 4-Step Braided Composite Shells

Xiaocheng Xu and Pengjun Sun
Beijing Institute of Special Mechanical and Electrical Devices
Binjie Ma and Xiaoqing Chen
Beijing Institute of Structure and Environment

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The critical external pressure calculation method of 3D 4-step braided composite shell is presented in this paper. Two test results of critical external pressure for this kind of cylindrical shells and two test results of critical external pressure for this kind of conical shells are given. Calculation results are good consistent with test results. The calculation method presented in this paper has been proved and can be used in the design of this kind of composite shells.