Experimental study of hydraulic characteristics of honeycomb type spacer grids

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This article presents experimental studies of hydraulic characteristics of honeycomb type spacer grids, applied in fuel assemblies of PWR reactors. We examine the fragments of the gratings used, work area and aerodynamic stand. According to the procedures described above, we give results of measurements and determine the hydraulic resistance of the studied types of spacer grids. We conduct a comparative analysis of hydraulic characteristics of the spacer grids with cells of various types.

***Keywords**: PWR, fuel assembly, fuel rod, spacer grid, heat exchange intensification, static pressure coefficient, hydraulic resistance.*

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