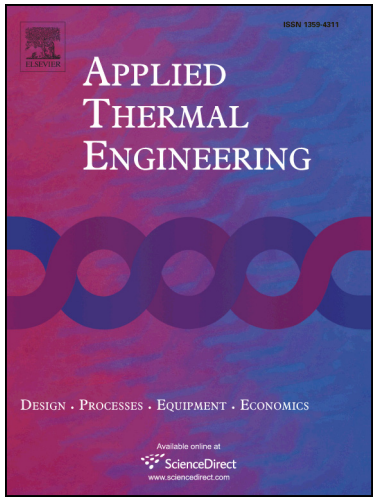


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# Experimental investigations on flow characteristics of two parallel channels in a forced circulation loop with supercritical water

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**Abstract**

The instability of supercritical water flow inside two parallel channels is investigated experimentally in this paper. Two types of instabilities with various oscillation periods occur at different power region during the heating process, indicating the existence of two types of dynamic instabilities. The type I instability occurs when the outlet temperature of