

عنوان مقاله:

Pool boiling heat transfer coefficient of pure liquids using dimensional analysis

محل انتشار:

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خلاصه مقاله:

The pool boiling heat transfer coefficient of pure liquids were experimentally measured on a horizontal bar heater at atmospheric pressure. These measurements were conducted formore than three hundred data in thermal currents up to 350 kW.m-2. Original correlations and the unique effect of these correlations on experimental data were discussed briefly. According to the analysis, a new empirical relationship implying a performance superior to other available correlations is presented.

کلمات کلیدی:

Pool boiling, Heat transfer, Atmospheric pressure, Heat transfer coefficient

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