

ABSTRACT

The effect on natural convective heat transfer coefficient due to flow field interaction between two parallel horizontal electrically heated cylinders, of diameter 0.049 inches in stationary atmospheric air was determined for horizontal as well as vertical configuration. The results show that there was negligible effect of either cylinder on the other in a horizontal configuration. In a vertical configuration, the heating effect was observed in the upper cylinder due to lower one but there was no effect of upper cylinder on the lower one. It was observed that as the distance between two vertical cylinders was increased the heating effect was smaller.

NATURAL CONVECTIVE HEAT TRANSFER COEFFICIENT
BETWEEN TWO ADJACENT HORIZONTAL CYLINDERS

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by

Bharat M. Shah


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CERTIFICATE OF APPROVAL OF THESIS

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