

Indian Journal of Mathematics

Volume 18, No. 2, 1976

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Abstract: Conduction of heat in two long coaxial cylinders having a contact resistance has been worked out by Laplace transformation method (Carslaw and Jaeger [2] and Watson [5]). Expressions for temperature distribution in the different regions of the cylinders are obtained. Some important conclusions are drawn from the graphs of temperature vs. coefficient of surface heat transfer.

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