

HEAT CONDUCTION WITH CYLINDRICAL SYMMETRY PROBLEMS SOLVING BY INTEGRAL TRANSFORM TECHNIQUE – CYLINDRICAL HOLE

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ABSTRACT

In solving the heat conduction problems with the integral transform technique in the cartesian system we used a polynomial approximation to represent the temperature profile. We investigated the application of the integral method to the solution of the heat conduction problem in regions with cylindrical symmetry using polynomial approximation multiplied by a logarithmic term.

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