THE APPROXIMATE METHOD FOR SOLUTION OF TRANSIENT HEAT CONDUCTION FOR A SEMI – INFINITE REGION INITIALLY AT UNIFORM TEMPERATURE

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ABSTRACT

In solving the heat conduction problem with the integral transform technique in the cartesian system we use a third degree polynomial approximation to approximate the temperature profile. Now examine the solution of this problem with the integral method in order to illustrate the procedure and to compare the approximate and the exact solutions.

REFERENCES