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## An On-Line Inverse Method for Estimation of Therr Which Are Responsible to Predicting Temperature I Heating/Freezing

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Most of the published methods for estimating temperature history d heating/cooling/freezing solid food require data on thermal properti any relevant heat transfer coefficients. However, there are some diff thermal data for use in industrial heating/cooling/freezing of food. It development of a new procedure for estimating the temperature his a procedure which does not require the knowledge of thermal data heated/frozen. This procedure collects a series of time/temperature food in the early stages of heating/freezing, analyzes these data to p parameters which are responsible for heat conduction, and predicts relationship for the remainder of the heating/cooling/freezing phases

Keywords: temperature history, inverse method, optimum control, freezing

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