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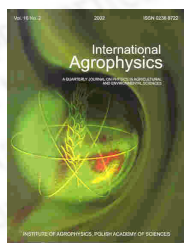
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Induction heater in the electric pasteuriser

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abstract The paper presents the results of the electromagnetic and thermal computations for the established models of an induction heater in the electric pasteuriser by means of numerical methods. FLUX2D package has been used to analyse the fields. The electromagnetic field distribution is presented in the particular sectors of the heating system. The distribution of electromagnetic properties including power density serve also to determine the temperature field. Electromagnetic and thermal fields have been analysed at various configurations of the heating systems.

keywords pasteuriser, electromagnetic and thermal fields