

BULETINUL INSTITUTULUI POLITEHNIC DIN IAȘI
TOMUL LIV (LVIII), FASC. 3, 2008
ELECTROTEHNICĂ, ENERGETICĂ, ELECTRONICĂ

THE STUDY OF INDUCTIVE HEATING UTILIZATION THE JOINING OF „FRETAJ”

BY

***CLAUDIA OLIMPIA STAȘAC and **D. A. HOBLE**

Abstract. The paper refers to a technology of achieving bimetallic combination by processing structure in an electromagnetic field of medium frequency.

The numerical model used in this study is based on the finite element model and is destined to the study of heating by induction in volume of cylindrical ferromagnetic steel structure whose properties vary with temperature and suffer phase transformation at Curie point.

Keywords: fretaj, electromagnetic field, inductive heating, heating process bimetallic components.