## Finite Difference Method for Heat Transfer Analysis at Dissimilar Metals Welding

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## **ABSTRACT**

This paper is a study of the temperature field in a melted material layer. The finite difference method is used to reduce the calculation time and the complexity of the treated problem.

## REFERENCES

- 1. Bejan, A., "Heat Transfer", John Wiley & Sons, New York, 1993.
- 2. Lienhard, J.H. IV, Lienhard, J.H. V, "A Heat Transfer Textbook", Phologiston Press Cambridge, U.S.A., 2001.
- 3. Eckert, E.R.G. Drake, R.M. Jr., "Analysis of Heat and Mass Transfer", McGraw-Hill Book