

## Geometric Design to Improve the Temperature

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**Abstract :** This paper presents geometric design of induction heating system. The objective of this design is to improve the temperature distribution in the load. The study of such a device requires the use of models or modeling representation, physical, mathematical, and numerical. This modeling is the basis of the understanding, the design, and optimization of these systems. The optimization technique is to find values of variables that maximize or minimize the objective function.

**Keywords :** optimization, modeling, geometric design system, temperature increase

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