

# Abstracts

## Optimized single-mode cavity for ceramics sintering

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*A.D. Tadmor and L. Schachter. "Optimized single-mode cavity for ceramics sintering." 1999 Transactions on Microwave Theory and Techniques 47.9 (Sep. 1999, Part I [T-MTT]): 1634-1639.*

In this paper, we present a novel method of optimization of a single-mode cavity used for sintering ceramics. The goal of the optimization is to maximize the electric energy stored in the dielectric and minimize spatial variations of the field in the domain occupied by the material. Results of simulations of two configurations are discussed.

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