

## Coupling of Non-Axially Symmetric Hybrid Modes in Dielectric Resonators

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*K.A. Zaki and C. Chen. "Coupling of Non-Axially Symmetric Hybrid Modes in Dielectric Resonators." 1987 Transactions on Microwave Theory and Techniques 35.12 (Dec. 1987 [T-MTT] (1987 Symposium Issue)): 1136-1142.*

A method for the rigorous calculation of the coupling coefficient between dielectric resonators excited in non-axially symmetric hybrid modes is developed. A simplified model is derived which allows approximate accurate calculations of coupling, without solving the detailed boundary value problem. Experimental measurements of the coupling between the two lowest hybrid modes were performed to verify the models, and are found to be in excellent agreement with the calculations.

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