

REALISTIC MODELS FOR RF CAVITIES

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Abstract

We present realistic models, including fringes, for several standing-wave modes in rf cavities. These models include a simple accelerating mode and a TM-110 (crab) mode. They are useful for the accurate computation of transfer maps* as well as for constructing model fields that can be used for testing and comparing a variety of rf cavity codes.

**CONTRIBUTION NOT
RECEIVED**