

Abstracts

Simulation of Electrostatic Noise Amplification in Gyrotrons

K.R. Chu and L.-H. Lyu. "Simulation of Electrostatic Noise Amplification in Gyrotrons." 1986 Transactions on Microwave Theory and Techniques 34.6 (Jun. 1986 [T-MTT]): 690-695.

Electrostatic noise generated by the electrostatic cyclotron instability is simulated in slab geometry with dc space charge effects neglected. The noise is found to be characterized by a broad spectrum, low saturation levels, and a strong disturbing effect on the electron energy distribution.

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