

Optimal geometry for electron emission from a metallic grating

B. Haddad and L. Schächter^{a)}

Department of Electrical Engineering, Technion—Israel Institute of Technology, Haifa 32000, Israel

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Field emission from a rectangular metallic grating is considered, ignoring space-charge effects. It is shown that there is an optimal geometry of the grooves for extraction of maximum current or current density. © 1999 American Institute of Physics. [S0003-6951(99)00408-8]