Remarks on models for prediction of radiated fields in electrical discharge events

R. Giannetti, M. Macucci, B. Tellini

Abstract— Ambiguities have appeared in the literature on the role of the arc in the electromagnetic radiation associated with electrostatic dis-charges. We discuss the contribution of the arc channel to the total emis-sion, and present experimental evidence that this contribution is negligible compared to that of the rest of the circuit.

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