

MODELLING OF SCHOTTKY CONTACTS FOR ADMITTANCE AND IMPURITY PROFILING MEASUREMENTS

S. SIKORSKI, W. JUNG

Institute of Electron Technology, al. Lotników 32/46, 02-668 Warszawa, Poland

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ABSTRACT

The paper presents a theory of a metal-semiconductor contact biased by dc voltage with superimposed small ac signal. Theoretical considerations based on general transport equations enabled to derive equations useful for admittance and impurity profiling measurements of materials properties.