

Abstracts

Josephson Effect Gain and Noise in SIS Mixers (Comments and Authors' Reply)

D.G. Jabolnski and M.J. Wengler. "Josephson Effect Gain and Noise in SIS Mixers (Comments and Authors' Reply)." 1993 Transactions on Microwave Theory and Techniques 41.1 (Jan. 1993 [T-MTT]): 172-173.

In their recent article, Wengler et al, report their observations and conclusions concerning the effects of Josephson currents on the microwave performance of superconductor-insulator-superconductor tunnel junction devices. I would like to caution that the authors seem poised to rediscover, the hard way, many lessons learned by researchers during the 1970s concerning the use of Josephson devices.

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