

# On Mott's Formula for the Acconductivity in the Anderson Model

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## **Abstract**

We prove that the ac conductivity at small frequency  $\nu$  is bounded by  $C\nu^2|\log \nu|^{d+2}$ . This should be compared to the celebrated Mott's formula, which predicts the leading term to be  $C\nu^2|\log \nu|^{d+1}$ .