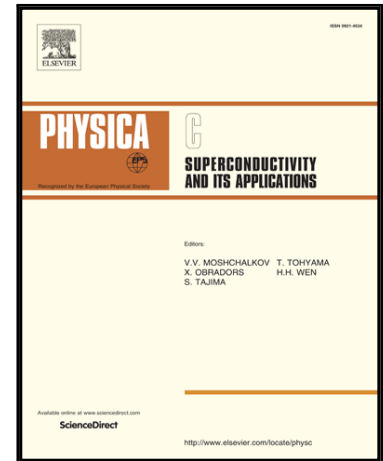


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Optical properties of superconductor-graphene-superconductor junction

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**Highlights**

- The optical characteristics of superconductor-graphene-superconductor (SGS) junction was studied.
- A theoretical formalism was used to consider the effect of optical conductivity of graphene layer on the interface of two superconductor media.
- Different behaviors were observed for the SGS junction in the visible region for both s and p polarizations.

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