

Research on the "cos φ term" riddle in Josephson effect (LT26)

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In this paper ,we will give a comprehensive analysis and discussion on every term tunnelling current in Josephson effect, especially make to go deep into discussion for the mechanism of "cos φ term" which is one of Josephson tunnelling current, and we advance a new hythesis successfully. Our work and results not only have greatly theory value, but also have important meanings for practical application of Josephson apparatus.