

层状介质任意形状回线源瞬变电磁全区视电阻率的研究

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收稿日期 2007-7-10 修回日期 2007-10-20 网络版发布日期 2007-12-20 接受日期 2007-12-20

摘要 利用时域垂直磁场求取全区视电阻率. 任意形状回线的垂直磁场可以看成是多个水平电偶极子的垂直磁场累加而成; 因此, 不论回线是何形状, 只要将其分解为水平电偶极子, 就可利用水平电偶极子的垂直磁场求取任意形状回线的全区视电阻率.

关键词 [层状介质](#), [任意形状回线源](#), [全区视电阻率](#)

分类号 [P318](#), [P319](#)

DOI:

Study on the TEM all-time apparent resistivity of arbitrary shape loop source over the layered medium

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Received 2007-7-10 Revised 2007-10-20 Online 2007-12-20 Accepted 2007-12-20

Abstract All-time apparent resistivity is attained by vertical-magnetic field. The vertical-magnetic field of arbitrary shape loop can be considered as the sum of the vertical-magnetic field of many horizontal electric dipoles; therefore, no matter what the shape of the loop, as long as the loop was divided into electric dipoles, we can use the vertical-magnetic field of horizontal electric dipole to attain the all-time apparent resistivity of arbitrary shape loop.

Key words [layered medium](#), [arbitrary shape loop source](#), [all-time apparent resistivity](#)

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