具有立方对称性及两个弛豫时间的微极热弹性介质中调和时间源引起的变形

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摘要：研究了具有立方对称性及两个弛豫时间的微极热弹性介质在调和时间源中的响应．采用了Fourier变换以及数值逆变换技术．在物理域中，得到了位移、应力、微转动和温度分布的数值结果．将微极立方晶体法向位移、法向力应力、切向耦合应力和温度分布的计算结果，与微极各向同性固体的结果进行比较．绘制了指定材料的数值结果图形．还推断了某些特殊情况的结果．

关键词：调和时间；热弹性；微极介质；立方对称性；微转动；Fourier变换
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