
Subject: Conduction Heat Transfer Computations using IDL

Posted by [bushce](#) on Thu, 21 Feb 2002 22:04:02 GMT

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I am new to IDL programming and also trying not to re-invent the wheel. Has anyone done heat conduction heat transfer calculations using IDL? If so, do you have codes that would be available for me to use or to take and modify for my specific needs. I would be interested in seeing a variety of such codes. Starting with time dependent 1D such as $T(t,x)$, and on to $T(t,x,y)$. Also, determination of $T(t,x)$, when Thermal conductivity is temperature dependent and incident heat flux is constant in time. And $T(t,x)$ when incident heat flux varies in time. (Perhaps a slab thickness of 2 or 4 cm).

Thanks in advance for anyone who can help me. (This is my first message posting. I apologize if this turns out to be spamming!)

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