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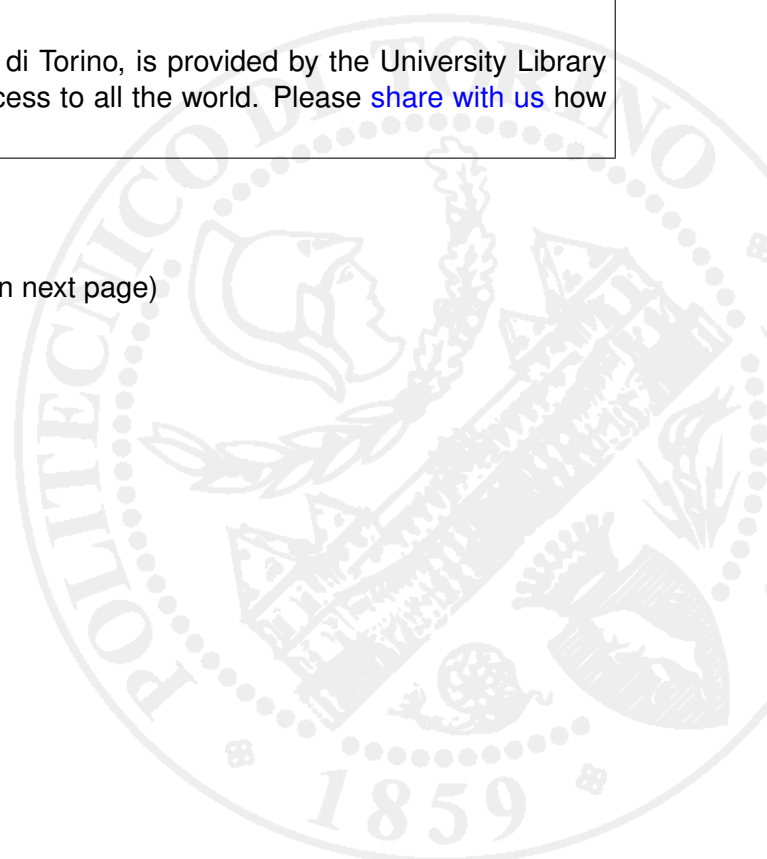
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Thermal diffusivity and conductivity in low-conducting materials: A new technique

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Abstract A comparative method is presented, suitable to
measure both thermal diffusivity and conductivity of low-
conducting solids. The repeatability of the measurements of
thermal conductivity is 3%, whereas for diffusivity is 6%. Data
for some low-conducting materials are given, consistent with
those reported in the literature.

Key words low-conducting materials - thermal conductivity -
thermal diffusivity

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