

Essential Characterisation Tools for the Study of MgB₂ Superconductors

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Abstract - We have developed a suite of characterisation tools that have proved invaluable in the ongoing studies of the physical properties of MgB₂ superconductors. Here we highlight the use of combining the measurement of $H_{c2}(T)$ by global magnetometry with measurement of point contact diffusivity, ac calorimetry and Hall probe imaging.

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