

## **Precision modelling of the millimetre dust emission**

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We review the dust emission properties gathered from the results obtained by the great satellites (Planck, WMAP, DIRBE, AKARI, IRAS). In intensity, the dust emission is dominant only in the far-infrared domain, becoming entangled with other emissions at millimetre wavelengths where the Cosmic Microwave Background, the Cosmic Infrared Background and other radio processes are important. We present a linear, iterative modelling approach for all components in a global fit across wavelengths and the sky. We provide conclusions on the dust temperature and emissivity.