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CMB temperature and polarisation anisotropies: a goldmine for cosmology.

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Over the last two decades cosmic microwave background (CMB) anisotropies have revolutionised our view of cosmology. Generations of experiments have successively uncovered the amplitude of the temperature fluctuations at large scales, the existence of acoustic peaks in both temperature and polarisation and the small scale damping. These observations have now established a minimal cosmological model with unprecedented accuracy of its cosmological parameters. I will show how CMB temperature and polarisation anisotropies are powerful cosmological probes of the concordance model.

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