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Confronting anisotropic cosmological models with real-time cosmology

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A repetition of the same high-resolution and large-volume observation, after ten or more years, gives access to the fourth dimension in observational cosmology, perpendicular to the light-cone. I discuss how various toy models can be distinguished by decomposing the long-time-difference maps into multipole vectors. A next-generation GAIA-like satellite with ten times GAIA's resolution, should be able to distinguish rotation from anisotropic expansion.

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