

**NUMERICAL MODELLING OF ASTROPHYSICAL
TURBULENCE (SPRINGERBRIEFS IN ASTRONOMY)**

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Falcke, H. Findings like these are hinting at the potential of sensitive, high resolution sub-mm spectroscopy for relating gas dynamics and metal content to a quasar dark matter halo also at high redshift. We investigate turbulence generated by cosmological structure formation by means of large eddy simulations using adaptive mesh refinement.

A significant population of red, near-infrared-selected high-redshift galaxies. The ISCO of the accreting gas also depends on the black hole spin, being closest to the black hole for maximally rotating black holes. Radiation force and mechanical energy can then sweep the dust surrounding the black hole, at least within a cone coaxial with the accretion disk axis from where the radiative and mechanical output is free to escape into the host galaxy ISM. Bottom. Sweet, S. Juarez, Y. The history of the BH growth compared with that of stellar mass growth. Credit to

Heckman and Best, their Figure 1. Theia: faint objects in motion or the new astrometry frontier.