

Symmetries in Large Scale Structure

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We will discuss the role of symmetries in three different areas of large scale structure:

1. how to test the equivalence principle using black holes in centers of galaxies;
2. how to measure gravitational redshifts using parity-violating signatures in correlation functions;
3. how spontaneously broken symmetries give us fully non-perturbative relations between N and $N + 1$ point functions.

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