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## Symanzik Improvement of Non-Relativistic Field Theories

*Thursday, August 11, 2022 11:50 AM (20 minutes)*

I will describe a method to reduce spatial discretization errors in lattice formulations of pionless effective field theory. All  $O(\Delta x)$  errors are cancelled, and generalizing to higher orders is simple. The method relies on set of renormalization conditions fixed by finite-volume energy levels, and may be useful for supernova phenomenology and cold-atomic physics, where spatial discretization errors are large.

**Primary authors:** BERKOWITZ, Evan (Forschungszentrum Jülich); WARRINGTON, Neill (Institute for Nuclear Theory)

**Presenter:** WARRINGTON, Neill (Institute for Nuclear Theory)

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