

Construction and conversion of operator bases in Effective Field Theories

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The effective field theory is an important approach for systematically parameterizing new physics beyond the Standard Model. A central concern in effective field theory is constructing effective operator bases. This work focuses on studying operator bases in effective field theory. I will introduce a general method for constructing on-shell operator bases and off-shell Green's bases in Lorentz-invariant effective field theories. Furthermore, I will present the method for finding the conversion relations among operator bases.

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