

## **New form of the renormalization counterterms for a scalar field**

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### **Abstract**

We use the substitution  $m^2 M^2(x) = m^2 + R(x)$  to construct a new form of the proper-time expansion of the Feynman propagator and the corresponding form of the renormalization counterterms  $2DS$  and  $\mu\nu$  for the scalar field.

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