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Calculation of higher order corrections to positronium energy levels

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I report on progress in the calculation of corrections to positronium energy levels of order $m\alpha^7$. Corrections at this level will be needed for the interpretation of the results of upcoming measurements. A procedure for the calculation of high order corrections has been developed based on the Bethe-Salpeter equation of dimensionally regularized NRQED and the method of regions. I demonstrate the effectiveness of this approach by using it to obtain all pure recoil corrections to positronium energies at $O(m\alpha^6)$ in a unified manner.

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