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Recursive reduction of tensorial one-loop Feynman integrals

Tuesday 23 February 2010 16:00 (30 minutes)

A new reduction of tensorial one-loop Feynman integrals with massive and massless propagators to scalar functions is introduced. The method is recursive:
n-point integrals of rank R are expressed by n-point and (n-1)-point integrals of rank (R-1).
The algorithm is realized in a Fortran package.

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