

**ASYMPTOTICS OF MULTIDIMENSIONAL INTEGRALS WITH SINGULAR  
DEPENDENCE ON A SMALL PARAMETER**

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An asymptotic expansion is constructed for a class of multidimensional integrals that depend singularly on a small parameter. The case where the denominator of the integrand vanishes on three intersecting surfaces is considered.

Keywords: multidimensional integral, small parameter, asymptotic expansion, singularity subtraction method.

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