

**Miroshin, R. N.**

**An asymptotic series for the Weber-Schafheitlin integral.** (English. Russian original)

Zbl 1023.33016

Math. Notes 70, No. 5, 682-687 (2001); translation from Mat. Zametki 70, No. 5, 751-757 (2001).

The author obtains an asymptotic power series for the Weber-Schafheitlin integral whose coefficients are distributions.

Reviewer: [Matthew He \(Ft.Lauderdale\)](#)

**MSC:**

[33E20](#) Other functions defined by series and integrals

[33F05](#) Numerical approximation and evaluation of special functions

Cited in **1** Document

**Keywords:**

Weber-Schafheitlin integral; Kantorovich-Lebedev transform; Gauss hypergeometric function; gamma-function; beta-function

**Full Text:** [DOI](#)