Handbook
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Error function and related integrals » erfc » approximate

Representation

(ER.2.23) $$\operatorname{erfc}(z) = \frac{e^{-z^2}}{\sqrt{\pi}} \left(\frac{2z}{1+2z^2} + \mathop{\mathbf{K}}_{m=2}^{\infty} \left(\frac{-(2m-3)(2m-2)}{4m-3+2z^2} \right) \right), \qquad \Re z > 0$$

Input

rhs	J-fraction
parameters	none
base	10
digits	46 (5 ≤ digits ≤ 999)
approximant	13 (1 ≤ approximant ≤ 999)
z	6.5
tail estimate	◉ none ○ standard ○ improved ○ user defined (simregular form)

Output

approximant	3.842148327120647469875804525852808522764701220e-20
absolute error	1.792e-46
relative error	4.663e-27
tail estimate	0

Continue

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