

FORMULA 3.241.6

$$G(x) := \int_a^b \operatorname{sign} \left[\frac{x}{c} - \left(\frac{b-u}{b-a} \right)^p \right] du = (b-a)F \left[(x/c)^{1/p} \right]$$

where

$$F(x) = \int_0^1 \operatorname{sign}(x-t) dt.$$