

## 1 Formula 1

**Formula**

$$\frac{2^{\alpha+\beta}}{R(1+R-z)^{\alpha}(1+R+z)^{\beta}} = \sum_{n=0}^{\infty} P_n^{(\alpha,\beta)}(x) z^n$$

**Constraints**

$a - 1$

**Proof**

Proof

**URLs**

urls

**Bibliography**

bibliography: [2, (13.7.1)]

## 2 Formula 2

**Formula**

$b$

**Constraints**

$b - 1$

**Proof**

Proof

**URLs**

urls

**Bibliography**

bibliography [2, (13.5.3)]

## References

- [1] NIST Digital Library of Mathematical Functions. <http://dlmf.nist.gov/>, Release 1.0.6 of 2013-05-06. Online companion to [2].
- [2] F. W. J. Olver, D. W. Lozier, R. F. Boisvert, and C. W. Clark, editors. *NIST Handbook of Mathematical Functions*. Cambridge University Press, New York, NY, 2010. Print companion to [1].