

1 Example FoxH-Whittaker_2_9_21.wls

File content

Fox H-function

$$H_{1,2}^{2,0} \left(\cdot \left| \begin{array}{c} (a - \lambda + 1, 1) \\ (a + \mu + \frac{1}{2}, 1), (a - \mu + \frac{1}{2}, 1) \end{array} \right. \right)$$

$$H_{1,2}^{2,0} \left(\cdot \left| \frac{}{(a + \mu + \frac{1}{2}, 1), (a - \mu + \frac{1}{2}, 1)} \right| (a - \lambda + 1, 1) \right)$$

Summary

$$\begin{aligned} a^* &= 1 \\ \Delta &= 1 \\ \delta &= 1 \\ \mu &= a + \lambda - \frac{1}{2} \\ a_1^* &= 1 \\ a_2^* &= 0 \\ \xi &= a + \lambda \\ c^* &= \frac{1}{2} \end{aligned}$$

Poles 1. First eight poles from upper front list

$$a_{i,k} = \{\}^T$$

2. First eight poles from lower front list

$$b_{j,\ell} = \begin{pmatrix} -a - \mu - \frac{1}{2} & -a + \mu - \frac{1}{2} \\ -a - \mu - \frac{3}{2} & -a + \mu - \frac{3}{2} \\ -a - \mu - \frac{5}{2} & -a + \mu - \frac{5}{2} \\ -a - \mu - \frac{7}{2} & -a + \mu - \frac{7}{2} \\ -a - \mu - \frac{9}{2} & -a + \mu - \frac{9}{2} \\ -a - \mu - \frac{11}{2} & -a + \mu - \frac{11}{2} \\ -a - \mu - \frac{13}{2} & -a + \mu - \frac{13}{2} \\ -a - \mu - \frac{15}{2} & -a + \mu - \frac{15}{2} \end{pmatrix}^T$$