1 Example `FoxH-Whittaker_2_9_21.wls`

File content

Fox H-function

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

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

Summary

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

Poles 1. First eight poles from upper front list

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

2. First eight poles from lower front list

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