1 Example `FoxH-2_9_12.wls`

File content

Fox H-function

$$H_{2,2}^{1,2}\left(\cdot\left|\begin{array}{c}\left(\frac{1}{2},1\right),\left(\frac{1}{2},1\right)\\[4pt]\left(0,1\right),\left(-\frac{1}{2},1\right)\end{array}\right.\right)$$

$$H_{2,2}^{1,2}\left(\cdot\left|\begin{array}{c|c}\left(\frac{1}{2},1\right),\left(\frac{1}{2},1\right)&\\\hline\left(0,1\right)&\left(-\frac{1}{2},1\right)\end{array}\right.\right)$$

Summary

$$a^* = 2$$
$$\Delta = 0$$
$$\delta = 1$$
$$\mu = -\frac{3}{2}$$
$$a_1^* = 1$$
$$a_2^* = 1$$
$$\xi = \frac{3}{2}$$
$$c^* = 1$$

Poles   1. First eight poles from upper front list

$$a_{i,k} = \begin{pmatrix} \frac{1}{2} & \frac{3}{2} & \frac{5}{2} & \frac{7}{2} & \frac{9}{2} & \frac{11}{2} & \frac{13}{2} & \frac{15}{2} \\[6pt] \frac{1}{2} & \frac{3}{2} & \frac{5}{2} & \frac{7}{2} & \frac{9}{2} & \frac{11}{2} & \frac{13}{2} & \frac{15}{2} \end{pmatrix}$$

2. First eight poles from lower front list

$$b_{j,\ell} = \begin{pmatrix} 0 & -1 & -2 & -3 & -4 & -5 & -6 & -7 \end{pmatrix}$$