1 Example **FoxH-Sin.wls**

File content

Fox H-function

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

$$H_{0,2}^{1,0}\left(\cdot\,\middle|\,\begin{matrix}\left(\frac{1}{2},1\right) & (0,1)\end{matrix}\right)$$

Summary

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

Poles 1. First ten poles from upper front list

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

2. First ten poles from lower front list

$$b_{j,\ell} = \begin{pmatrix} -\frac{1}{2} \\ -\frac{3}{2} \\ -\frac{5}{2} \\ -\frac{7}{2} \\ -\frac{9}{2} \\ -\frac{11}{2} \\ -\frac{13}{2} \\ -\frac{15}{2} \\ -\frac{17}{2} \\ -\frac{19}{2} \\ -\frac{21}{2} \end{pmatrix}$$