

# 1 Example FoxH-2\_9\_12.wls

## File content

### Fox H-function

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

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

### Summary

$$\begin{aligned} a^* &= 2 \\ \Delta &= 0 \\ \delta &= \text{ComplexInfinity} \\ \mu &= -\frac{3}{2} \\ a_1^* &= 1 \\ a_2^* &= 1 \\ \xi &= \frac{3}{2} \\ c^* &= 1 \end{aligned}$$

### Poles 1. First eight poles from upper front list

$$a_{i,k} = \left( \begin{array}{cccccccc} \frac{1}{2} & \frac{3}{2} & \frac{5}{2} & \frac{7}{2} & \frac{9}{2} & \frac{11}{2} & \frac{13}{2} & \frac{15}{2} \\ \frac{1}{2} & \frac{3}{2} & \frac{5}{2} & \frac{7}{2} & \frac{9}{2} & \frac{11}{2} & \frac{13}{2} & \frac{15}{2} \end{array} \right)$$

### 2. First eight poles from lower front list

$$b_{j,\ell} = \left( \begin{array}{cccccccc} 0 & -1 & -2 & -3 & -4 & -5 & -6 & -7 \end{array} \right)$$