

1 Example FoxH-Macdonald_function_2_9_33.wls

File content

Fox H-function

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

$$H_{1,2}^{2,1} \left(\cdot \left| \frac{(\gamma, 1)}{(\gamma, 1), (0, 1)} \right. \right)$$

Summary

$$a^* = 3$$

$$\Delta = 1$$

$$\delta = \text{Indeterminate}$$

$$\mu = -\frac{1}{2}$$

$$a_1^* = 2$$

$$a_2^* = 1$$

$$\xi = 2\gamma$$

$$c^* = \frac{3}{2}$$

Poles 1. First eight poles from upper front list

$$a_{i,k} = \left(1 - \gamma \quad 2 - \gamma \quad 3 - \gamma \quad 4 - \gamma \quad 5 - \gamma \quad 6 - \gamma \quad 7 - \gamma \quad 8 - \gamma \right)$$

2. First eight poles from lower front list

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