1 Example FoxH-Macdonald_function_2_9_33.wls

File content

Fox H-function

$$H_{1,2}^{2,0}\left(\cdot\left|\begin{array}{c}(\text{ComplexInfinity},\text{ComplexInfinity})\\[2mm](\gamma\text{n},1),(0,\text{ComplexInfinity})\end{array}\right.\right)$$

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

Summary

$$a^* = \text{Indeterminate}$$
$$\Delta = \text{Indeterminate}$$
$$\delta = \text{Indeterminate}$$
$$\mu = \text{ComplexInfinity}$$
$$a_1^* = \text{Indeterminate}$$
$$a_2^* = 0$$
$$\xi = \text{ComplexInfinity}$$
$$c^* = \frac{1}{2}$$

Poles 1. First eight poles from upper front list

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

2. First eight poles from lower front list

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