# 1 Example `FoxH-2_9_4.wls`

**File content**

**Fox H-function**

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

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**Summary**

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

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

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

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

$$b_{j,\ell} = \left( \begin{matrix} -\frac{b}{\beta} & -\frac{b+1}{\beta} & -\frac{b+2}{\beta} & -\frac{b+3}{\beta} & -\frac{b+4}{\beta} & -\frac{b+5}{\beta} & -\frac{b+6}{\beta} & -\frac{b+7}{\beta} \end{matrix} \right)$$

**Source** This example is from (2.9.4) of [**kilbas.saigo:04:h-transforms**]:

$$H_{0,1}^{1,0}\left(z\left|\begin{array}{c}\\ (b,\beta)\end{array}\right.\right)=\frac{1}{\beta}z^{b/\beta}\exp\left(-z^{1/\beta}\right).$$