1 Example **FoxH-Cos.wls**

File content

```
(* (2.9.8) and (2.9.10) of Kilbas & Saigo 04 *)
{
  (* Upper List *) {
    (* Upper Front List *) {},
    (* Upper Rear List *)  {}
  },
  (* Lower List *) {
    (* Lower Front List *) {{0, 1}},
    (* Lower Rear List *)  {{1/2,1}}
  }
}
```

Fox H-function

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

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

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 eight poles from upper front list

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

2. First eight poles from lower front list

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