

1 Example FoxH-H.G_2_9_15.wls

File content

```
(* (2.9.15) of Kilbas and Saigo 04 *)
{
  (* Upper List *) {
    (* Upper Front List *) {{1-a,1},{1-b,1}},
    (* Upper Rear List *) {}
  },
  (* Lower List *) {
    (* Lower Front List *) {{0,1}},
    (* Lower Rear List *) {{1-c,1}}
  }
}
```

Fox H-function

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

$$H_{2,2}^{1,2} \left(\cdot \left| \frac{(1-a, 1), (1-b, 1)}{(0, 1)} \right| \frac{}{(1-c, 1)} \right)$$

Summary

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

Poles 1. First ten poles from upper front list

$$a_{i,k} = \begin{pmatrix} a & a+1 & a+2 & a+3 & a+4 & a+5 & a+6 & a+7 & a+8 & a+9 & a+10 \\ b & b+1 & b+2 & b+3 & b+4 & b+5 & b+6 & b+7 & b+8 & b+9 & b+10 \end{pmatrix}$$

2. First ten poles from lower front list

$$b_{j,\ell} = \begin{pmatrix} 0 & -1 & -2 & -3 & -4 & -5 & -6 & -7 & -8 & -9 & -10 \end{pmatrix}$$