

1 Example FoxH-2_9_13.wls

File content

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

Fox H-function

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

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

Summary

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

Poles 1. First ten poles from upper front list

$$a_{i,k} = \begin{pmatrix} \frac{1}{2} & \frac{3}{2} & \frac{5}{2} & \frac{7}{2} & \frac{9}{2} & \frac{11}{2} & \frac{13}{2} & \frac{15}{2} & \frac{17}{2} & \frac{19}{2} & \frac{21}{2} \\ 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \end{pmatrix}$$

2. First ten poles from lower front list

$$b_{j,\ell} = \begin{pmatrix} -\frac{1}{2} & -\frac{3}{2} & -\frac{5}{2} & -\frac{7}{2} & -\frac{9}{2} & -\frac{11}{2} & -\frac{13}{2} & -\frac{15}{2} & -\frac{17}{2} & -\frac{19}{2} & -\frac{21}{2} \end{pmatrix}$$