1 Example **FoxH-Whittaker_2_9_21.wls**

File content

```
(* (2.9.21) of Kilbas and Saigo 04 *)
{
  (* Upper List *) {
    (* Upper Front List *) {},
    (* Upper Rear List *)  {{a-λ+1,1}}
  },
  (* Lower List *) {
    (* Lower Front List *) {{a+μ+1/2,1},{a-μ+1/2,1}},
    (* Lower Rear List *)  {}
  }
}
```

Fox H-function

$$H_{1,2}^{2,0}\left(\cdot\left|\begin{array}{l}(a-\lambda+1,1)\\ \\ \left(a+\mu+\frac{1}{2},1\right),\left(a-\mu+\frac{1}{2},1\right)\end{array}\right.\right)$$

$$H_{1,2}^{2,0}\left(\cdot\left|\begin{array}{l|l}\multicolumn{1}{c|}{} & (a-\lambda+1,1)\\ \hline \left(a+\mu+\frac{1}{2},1\right),\left(a-\mu+\frac{1}{2},1\right) & \end{array}\right.\right)$$

Summary

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

Poles 1. First eight poles from upper front list

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

2. First eight poles from lower front list

$$
b_{j,\ell} = \begin{pmatrix}
-a-\mu-\frac{1}{2} & -a+\mu-\frac{1}{2} \\
-a-\mu-\frac{3}{2} & -a+\mu-\frac{3}{2} \\
-a-\mu-\frac{5}{2} & -a+\mu-\frac{5}{2} \\
-a-\mu-\frac{7}{2} & -a+\mu-\frac{7}{2} \\
-a-\mu-\frac{9}{2} & -a+\mu-\frac{9}{2} \\
-a-\mu-\frac{11}{2} & -a+\mu-\frac{11}{2} \\
-a-\mu-\frac{13}{2} & -a+\mu-\frac{13}{2} \\
-a-\mu-\frac{15}{2} & -a+\mu-\frac{15}{2}
\end{pmatrix}^T
$$