

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

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

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

Summary

$$a^* = 1$$

$$\Delta = 1$$

$$\delta = \text{Indeterminate}$$

$$\mu = a + \lambda - \frac{1}{2}$$

$$a_1^* = 1$$

$$a_2^* = 0$$

$$\xi = a + \lambda$$

$$c^* = \frac{1}{2}$$

Poles 1. First ten poles from upper front list

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

2. First ten poles from lower front list

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