

# 1 Example FoxH-2\_9\_4.wls

## File content

```
(* (2.9.4) of Kilbas and Saigo 04 *)
{
  (* Upper List *) {
    (* Upper Front List *) {},
    (* Upper Rear List *) {}
  },
  (* Lower List *) {
    (* Lower Front List *) {{b, β}},
    (* Lower Rear List *) {}
  }
}
```

## Fox H-function

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

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

## Summary

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

**Poles   1. First eight poles from upper front list**

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

**2. First eight poles from lower front list**

$$b_{j,\ell} = \left( -\frac{b}{\beta} \quad -\frac{b+1}{\beta} \quad -\frac{b+2}{\beta} \quad -\frac{b+3}{\beta} \quad -\frac{b+4}{\beta} \quad -\frac{b+5}{\beta} \quad -\frac{b+6}{\beta} \quad -\frac{b+7}{\beta} \right)$$