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

$$H_{0,1}^{1,0}\left(\cdot\,\middle|\,\begin{matrix}\\ (b,\beta)\end{matrix}\right)$$

$$H_{0,1}^{1,0}\left(\cdot\,\middle|\,\begin{matrix}\\ \hline (b,\beta)\end{matrix}\right)$$

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

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

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[strict=true,style=english]csquotes [backend=biber, style=alphabetic, natbib=true, abbreviate=true]biblatex ../latex$_s ources/Fox - H_b iber.bib$

Source This example is from (2.9.4) of [**kilbas.saigo:04:h-transforms**]:

$$H_{0,1}^{1,0}\left(z \left| \begin{array}{c} \\ (b,\beta) \end{array} \right. \right) = \frac{1}{\beta} z^{b/\beta} \exp\left(-z^{1/\beta}\right).$$