"i is", 22,

" ----------"

$$g := t \to \operatorname{arccsch}\left(\frac{1}{t}\right)$$

$$l := 0$$

$$u := \infty$$

$$Temp := \left[\left[y\sim \to \frac{\operatorname{signum}(y\sim)\sqrt{\frac{1}{\sinh(y\sim)}}\, e^{-\frac{1}{9}\frac{(\sinh(y\sim)-3)^2}{\sinh(y\sim)}}\cosh(y\sim)}{\sinh(y\sim)\sqrt{\pi}}\right], [0, \infty],\right.$$

$$\left.["\text{Continuous}", "\text{PDF}"]\right]$$

"l and u", 0, ∞

"g(x)", $\operatorname{arccsch}\left(\frac{1}{x}\right)$, "base", $\sqrt{\frac{1}{\pi x^3}}\, e^{-\frac{1}{9}\frac{(x-3)^2}{x}}$, "InverseGaussianRV(2,3)"

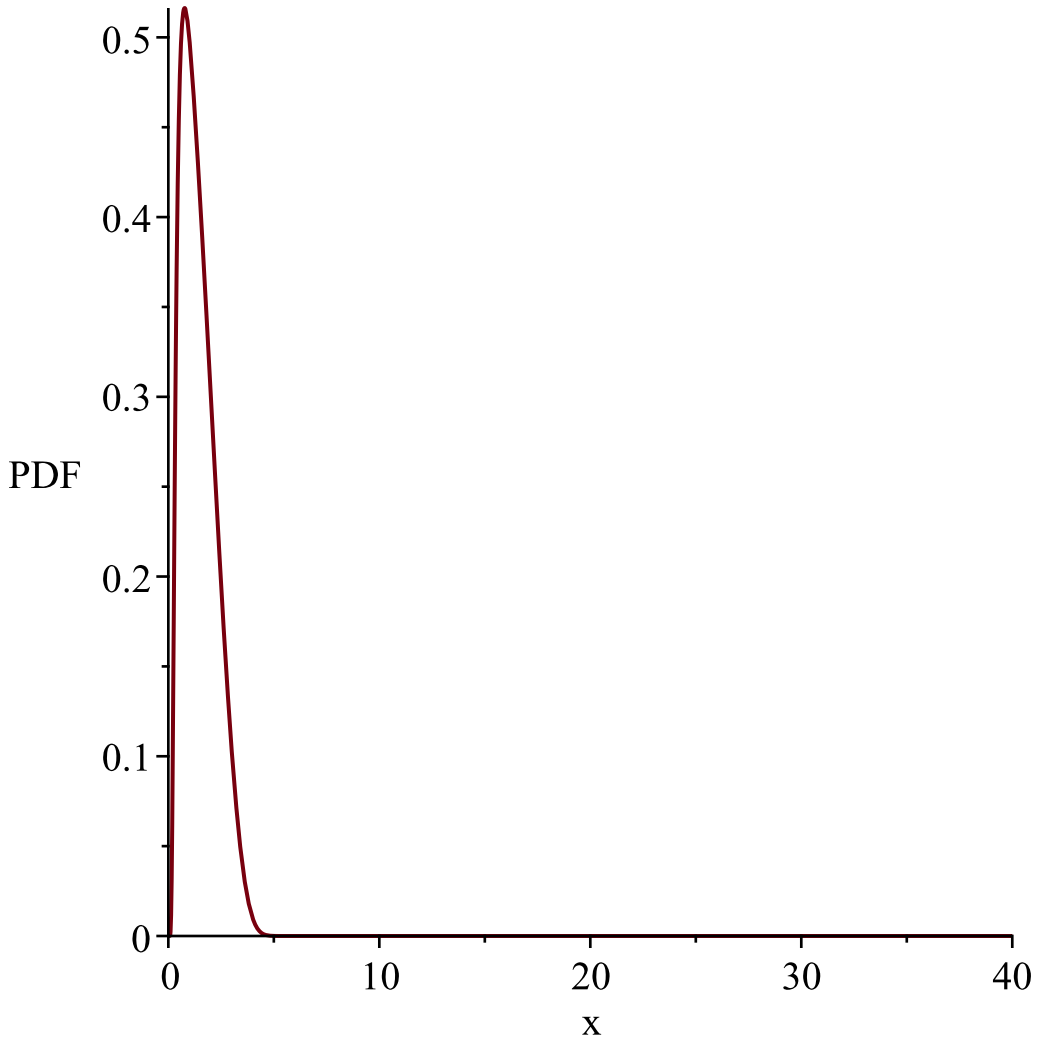
$$"f(x)", \frac{\operatorname{signum}(x)\sqrt{\frac{1}{\sinh(x)}}\, e^{-\frac{1}{9}\frac{(\sinh(x)-3)^2}{\sinh(x)}}\cosh(x)}{\sinh(x)\sqrt{\pi}}$$

"S(x)", *undefined*

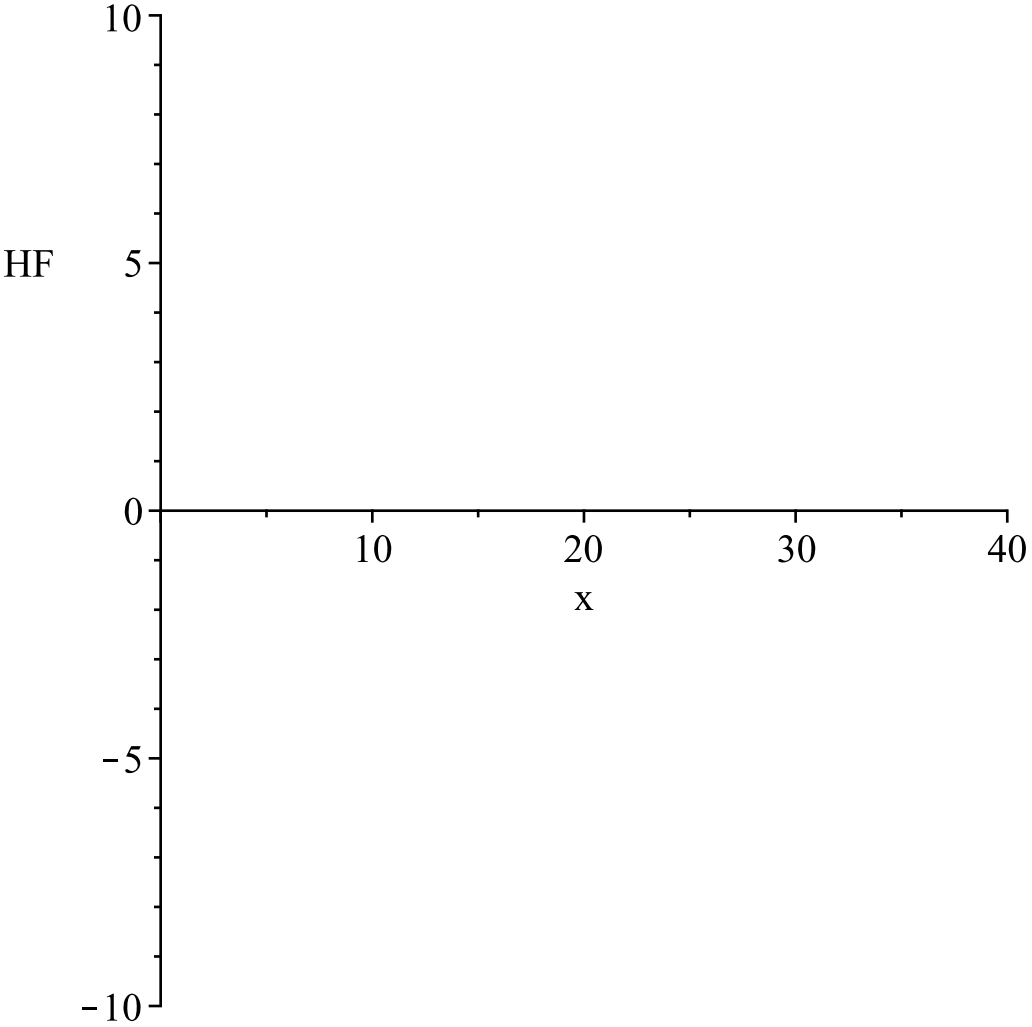
$$"h(x)", \frac{\operatorname{signum}(x)\sqrt{\frac{1}{\sinh(x)}}\, e^{-\frac{1}{9}\frac{(\sinh(x)-3)^2}{\sinh(x)}}\cosh(x)\ \textit{undefined}}{\sinh(x)}$$

$$"\text{mean and variance}", \int_0^\infty \frac{e^{-\frac{1}{9}\frac{\cosh(x)^2-6\sinh(x)+8}{\sinh(x)}}\cosh(x)\, x}{\sinh(x)^{3/2}\sqrt{\pi}}\, dx,$$

$$\int_0^\infty \frac{e^{-\frac{1}{9}\frac{\cosh(x)^2-6\sinh(x)+8}{\sinh(x)}}\cosh(x)\, x^2}{\sinh(x)^{3/2}\sqrt{\pi}}\, dx - \left(\int_0^\infty \frac{e^{-\frac{1}{9}\frac{\cosh(x)^2-6\sinh(x)+8}{\sinh(x)}}\cosh(x)\, x}{\sinh(x)^{3/2}\sqrt{\pi}}\, dx\right)^2$$



Warning, unable to evaluate the function to numeric values in the region; see the plotting command's help page to ensure the calling sequence is correct




```
{\frac {{\it signum} \left( x \right) \sqrt { \left( \sinh \left
( x
 \right)  \right) ^{-1}}\cosh \left( x \right) }{\sinh \left( x
 \right) \sqrt {\pi}}{{\rm e}^{-1/9\,{\frac { \left( \sinh \left
( x
 \right) -3 \right) ^{2}}{\sinh \left( x \right) }}}}}
"i is", 23,
   " ----------------------------------------------------------------------------------------------------
   ----------"
```

$$g := t \to \operatorname{arctanh}\left(\frac{1}{t}\right)$$

$$l := 0$$

$$u := \infty$$

Error, (in simpl/min) complex argument to max/min: -((1/2)*I)*Pi

>