"i is", 20,

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

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

$$l := 0$$

$$u := \infty$$

$$Temp := \left[\left[y\sim \to -\frac{\sqrt{\operatorname{arctanh}(y\sim)^3}\ e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(y\sim))^2}{\operatorname{arctanh}(y\sim)}}}{\sqrt{\pi}\ \operatorname{arctanh}(y\sim)^2\left(y\sim^2-1\right)}\right], [0, 1], ["Continuous", "PDF"]\right]$$

"l and u", 0, ∞

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

"f(x)", $-\frac{\sqrt{\operatorname{arctanh}(x)^3}\ e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(x))^2}{\operatorname{arctanh}(x)}}}{\sqrt{\pi}\ \operatorname{arctanh}(x)^2\left(x^2-1\right)}$

"S(x)", $\frac{\sqrt{\pi}+\int_0^x \frac{\sqrt{\operatorname{arctanh}(t)^3}\ e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(t))^2}{\operatorname{arctanh}(t)}}}{\operatorname{arctanh}(t)^2\left(t^2-1\right)}\,dt}{\sqrt{\pi}}$

"h(x)", $-\frac{\sqrt{\operatorname{arctanh}(x)^3}\ e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(x))^2}{\operatorname{arctanh}(x)}}}{\operatorname{arctanh}(x)^2\left(x^2-1\right)\left(\sqrt{\pi}+\int_0^x \frac{\sqrt{\operatorname{arctanh}(t)^3}\ e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(t))^2}{\operatorname{arctanh}(t)}}}{\operatorname{arctanh}(t)^2\left(t^2-1\right)}\,dt\right)}$

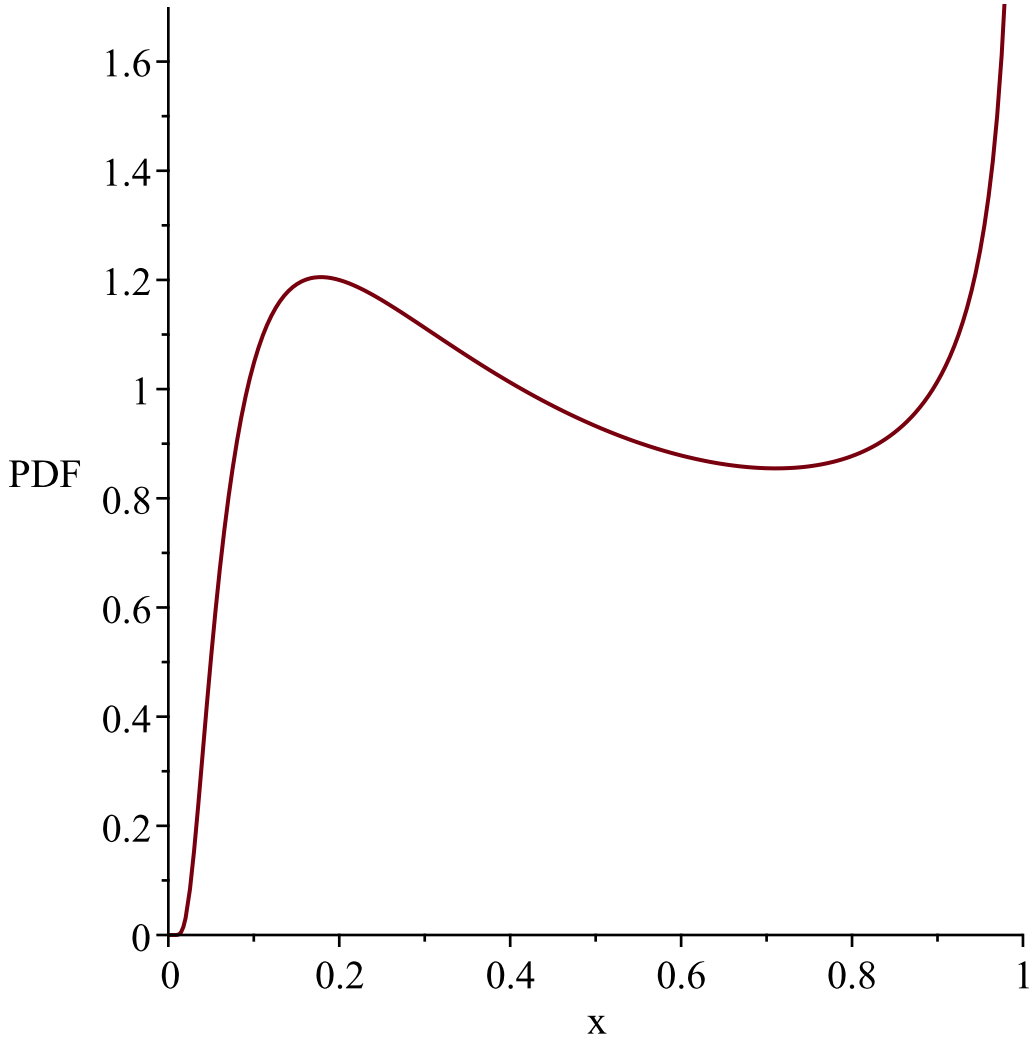
"mean and variance", $-\frac{\int_0^1 \frac{x\, e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(x))^2}{\operatorname{arctanh}(x)}}}{\sqrt{\operatorname{arctanh}(x)}\left(x^2-1\right)}\,dx}{\sqrt{\pi}}$,

$$-\frac{\left(\int_0^1 \frac{x\, e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(x))^2}{\operatorname{arctanh}(x)}}}{\sqrt{\operatorname{arctanh}(x)}\left(x^2-1\right)}\,dx\right)^2\sqrt{\pi}+\left(\int_0^1 \frac{x^2\, e^{-\frac{1}{9}\frac{(-1+3\operatorname{arctanh}(x))^2}{\operatorname{arctanh}(x)}}}{\sqrt{\operatorname{arctanh}(x)}\left(x^2-1\right)}\,dx\right)\pi}{\pi^{3/2}}$$

WARNING(PlotDist): High value provided by user, 40

is greater than maximum support value of the random variable, 1

Resetting high to RV's maximum support value



WARNING(PlotDist): High value provided by user, 40 *is greater than maximum support value of the random variable*, 1

Resetting high to RV's maximum support value

Warning, computation interrupted

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