$$\frac{1}{\pi\sqrt{x}(1-x)}$$
"i is", 16,
$$\frac{1}{tanh(t+1)}$$

$$I := 0$$

$$u := \infty$$

$$Temp := \left[\left[y \rightarrow \frac{1}{\sqrt{-\left(-1 + \arctan\left(\frac{1}{y^{-}}\right)\right)} \left(-2 + \arctan\left(\frac{1}{y^{-}}\right)\right)} \pi\left(y^{-2} - 1\right) \right] \right]$$

$$\begin{bmatrix} -e^{-2} - e^{2}, & e + e^{-1} \\ e^{-2} - e^{2}, & e + e^{-1} \end{bmatrix}, ["Continuous", "PDF"] \right]$$

$$\text{"I and } u", 0, \infty$$

$$\text{"g(x)", } \frac{1}{\tanh(x+1)}, \text{"base", } \frac{1}{\pi\sqrt{x}(1-x)}, \text{"ArcSinRVO"}$$

$$\text{"f(x)", } \frac{1}{\sqrt{-\left(-1 + \arctan\left(\frac{1}{x}\right)\right)\left(-2 + \arctan\left(\frac{1}{x}\right)\right)} \pi\left(x^{2} - 1\right)}$$

$$\text{"S(x)", } \frac{\pi - \arcsin\left(-3 + 2 \arctan\left(\frac{e^{4} - 1}{e^{4} + 1}\right)\right) + \arcsin\left(-3 + 2 \arctan\left(\frac{1}{x}\right)\right)}{\pi}$$

$$\text{"h(x)", } -1 \left/ \left(\sqrt{-\left(-1 + \arctan\left(\frac{1}{x}\right)\right)\left(-2 + \arctan\left(\frac{1}{x}\right)\right)} \left(x^{2} - 1\right)\left(-\pi + \arcsin\left(-3 + 2 \arctan\left(\frac{e^{4} - 1}{e^{4} + 1}\right)\right) - \arcsin\left(-3 + 2 \arctan\left(\frac{1}{x}\right)\right)\right) \right\}$$
"mean and variance",
$$\frac{e^{2} + 1}{e^{4} - 1}$$

$$\frac{e^{4} + 1}{e^{4} - 1}$$

$$\pi$$

$$\frac{1}{\pi}$$

$$\int_{\frac{e^4+1}{e^4-1}}^{\frac{e^2+1}{e^2-1}} \frac{x^2}{\sqrt{-\left(-1+\operatorname{arctanh}\left(\frac{1}{x}\right)\right)\left(-2+\operatorname{arctanh}\left(\frac{1}{x}\right)\right)}} dx dx$$

$$-\left(\int_{\frac{e^4+1}{e^4-1}}^{\frac{e^4+1}{e^4-1}} \frac{x}{\sqrt{-\left(-1+\operatorname{arctanh}\left(\frac{1}{x}\right)\right)\left(-2+\operatorname{arctanh}\left(\frac{1}{x}\right)\right)}} dx\right)^2$$

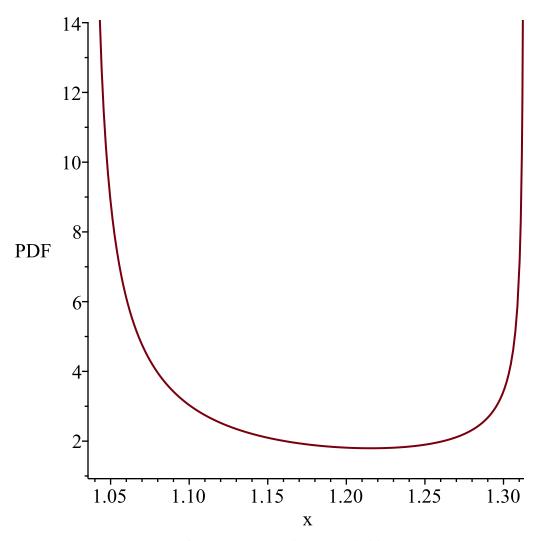
WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

$$\frac{-e^{-2}-e^2}{e^{-2}-e^2}$$

Resetting low to RV's minimum support value WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random

variable,
$$\frac{e+e^{-1}}{e-e^{-1}}$$

Resetting high to RV's maximum support value



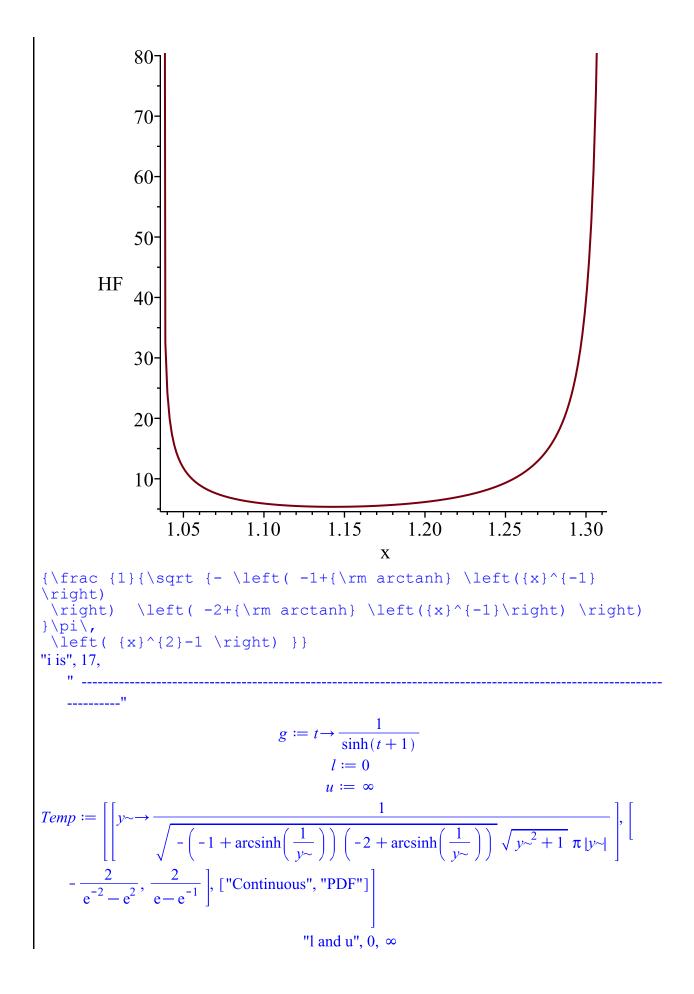
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$$\frac{-e^{-2}-e^2}{e^{-2}-e^2}$$

Resetting low to RV's minimum support value WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random

variable,
$$\frac{e+e^{-1}}{e-e^{-1}}$$

Resetting high to RV's maximum support value



"g(x)",
$$\frac{1}{\sinh(x+1)}$$
, "base", $\frac{1}{\pi\sqrt{x}(1-x)}$, "ArcSinRV()"

"f(x)", $\frac{1}{\sqrt{-\left(-1+\arcsin\left(\frac{1}{x}\right)\right)\left(-2+\arcsin\left(\frac{1}{x}\right)\right)}}\sqrt{x^2+1}} \pi |x|$

$$-\pi + \int_{\frac{2r^2}{e^4-1}}^x \frac{1}{\sqrt{-\left(-1+\arcsin\left(\frac{1}{t}\right)\right)\left(-2+\arcsin\left(\frac{1}{t}\right)\right)}} \sqrt{x^2+1} |x| dt$$

"S(x)", $-\frac{\pi}{\sqrt{-\left(-1+\arcsin\left(\frac{1}{x}\right)\right)\left(-2+\arcsin\left(\frac{1}{x}\right)\right)}} \sqrt{x^2+1} |x| \left(\pi - \left(\frac{1}{x}\right)\right) \sqrt{x^2+1} |x| \left(\pi - \left(\frac{1}{x}\right)\right) \sqrt{x^2+1} |x| dt$

$$\int_{\frac{2r^2}{e^4-1}}^x \frac{1}{\sqrt{-\left(-1+\arcsin\left(\frac{1}{t}\right)\right)\left(-2+\arcsin\left(\frac{1}{t}\right)\right)}} \sqrt{t^2+1} |x| dt$$

"mean and variance", π

"mean and variance", π

$$\int_{\frac{2r^2}{e^4-1}}^x \frac{1}{\sqrt{-1+\arcsin\left(\frac{1}{x}\right)\sqrt{2}-\arcsin\left(\frac{1}{x}\right)\sqrt{x^2+1}}} dx$$

$$\int_{\frac{2r^2}{e^4-1}}^x \frac{x}{\sqrt{-1+\arcsin\left(\frac{1}{x}\right)\sqrt{2}-\arcsin\left(\frac{1}{x}\right)\sqrt{x^2+1}}} dx$$

$$\int_{\frac{2r^2}{e^4-1}}^x \frac{1}{\sqrt{-1+\arcsin\left(\frac{1}{x}\right)\sqrt{2}-\arcsin\left(\frac{1}{x}\right)\sqrt{x^2+1}}} dx$$

$$\int_{\frac{2r^2}{e^4-1}}^x \frac{1}{\sqrt{-1+\arcsin\left(\frac{1}{x}\right)\sqrt{2}-\arcsin\left(\frac{1}{x}\right)\sqrt{x^2+1}}} dx$$

$$\int_{-1+\arcsin\left(\frac{1}{x}\right)\sqrt{2}-\arcsin\left(\frac{1}{x}\right)\sqrt{x^2+1}} dx$$

$$\int_{-1+\arcsin\left(\frac{1}{x}\right)\sqrt{x^2+1}} dx$$

$$\int_{-1+\arcsin\left($$

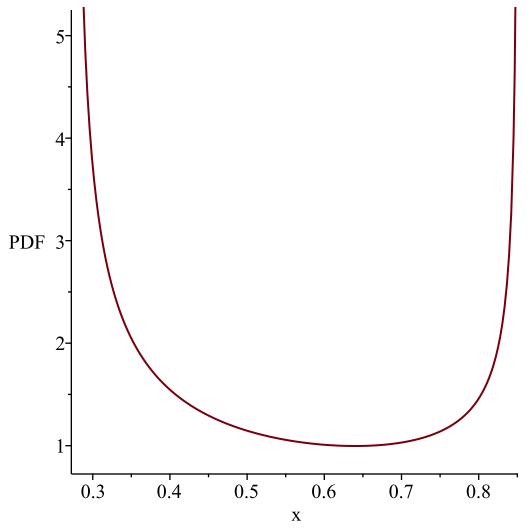
is less than minimum support value of random variable

$$-\frac{2}{e^{-2}-e^2}$$

Resetting low to RV's minimum support value WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random

variable,
$$\frac{2}{e-e^{-1}}$$

Resetting high to RV's maximum support value



WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

$$-\frac{2}{e^{-2}-e^2}$$

Resetting low to RV's minimum support value WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random

variable,
$$\frac{2}{e-e^{-1}}$$

Resetting high to RV's maximum support value computation interrupted

