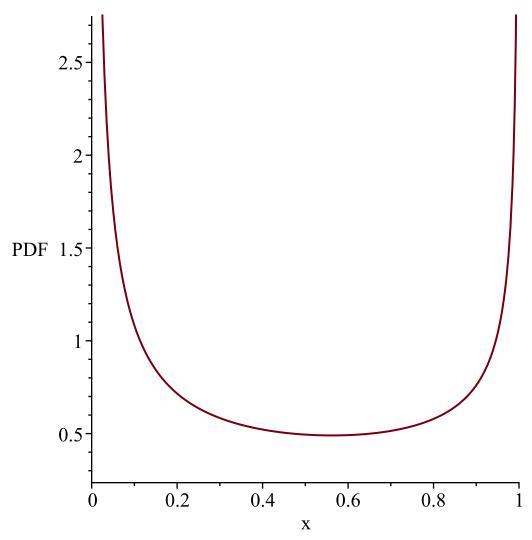
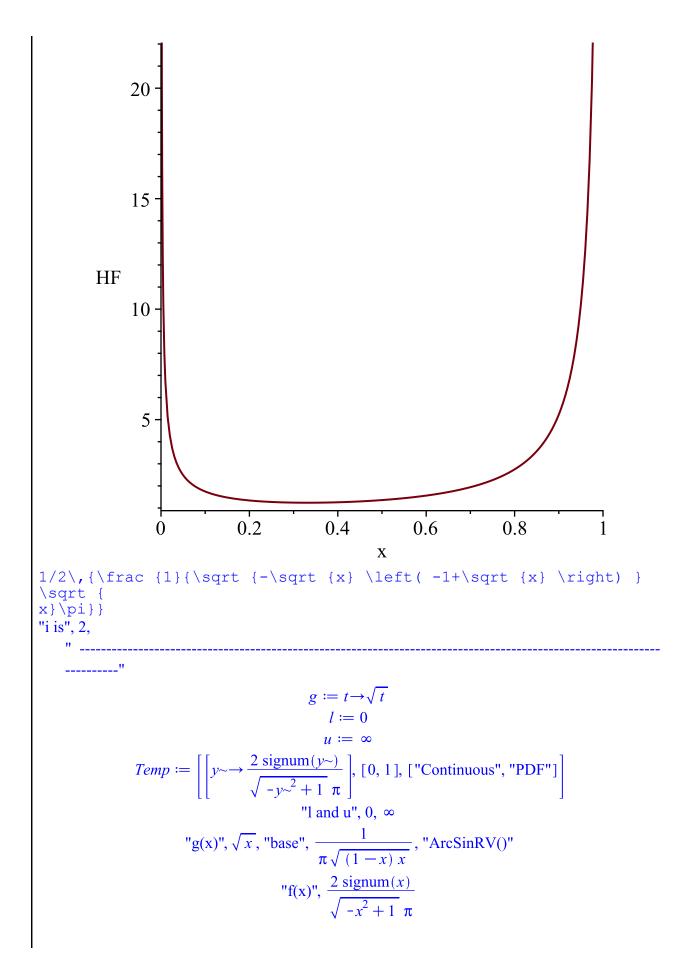
"i is", 1, $Temp := \left[\left[y \sim \rightarrow \frac{1}{2\sqrt{-\sqrt{y \sim} \left(-1 + \sqrt{y \sim}\right)} \sqrt{y \sim} \pi} \right], [0, 1], ["Continuous", "PDF"] \right]$ "g(x)", x^2 , "base", $\frac{1}{\pi \sqrt{x (1-x)}}$, "ArcSinRV()" "f(x)", $\frac{1}{2\sqrt{-\sqrt{x}(-1+\sqrt{x})}\sqrt{x}\pi}$ $\frac{1\sqrt{x}\sqrt{1-\sqrt{x}}\sqrt{-1+\sqrt{x}}\ln(2) - \sqrt{x}\ln(-1+2\sqrt{x}+2x^{1/4}\sqrt{-1+\sqrt{x}}) + x\ln(-1+2\sqrt{x})}{\sqrt{x}\sqrt{1-\sqrt{x}}\sqrt{-1+\sqrt{x}}\pi} - \frac{1\ln(-1+2\sqrt{x}+2x^{1/4}\sqrt{-1+\sqrt{x}})(\sqrt{x}-x)}{\sqrt{x}(-1+\sqrt{x})\pi}$ $-\frac{1}{2} \frac{\sqrt{1-\sqrt{x}} \sqrt{-1+\sqrt{x}}}{\sqrt{-\sqrt{x}} (-1+\sqrt{x})} \left(I\sqrt{x} \sqrt{1-\sqrt{x}} \sqrt{-1+\sqrt{x}} \ln(2) - \sqrt{x} \ln(-1+2\sqrt{x}+2x^{1/4}\sqrt{-1+2x^2}) \right) \left(I\sqrt{x} \sqrt{1-\sqrt{x}} \sqrt{-1+\sqrt{x}} \ln(2) - \sqrt{x} \ln(-1+2\sqrt{x}+2x^{1/4}\sqrt{-1+2x^2}) \right) \left(I\sqrt{x} \sqrt{1-\sqrt{x}} \sqrt{-1+\sqrt{x}} \ln(2) - \sqrt{x} \ln(-1+2\sqrt{x}+2x^{1/4}\sqrt{-1+2x^2}) \right)$

"mean and variance", $\frac{3}{8}$, $\frac{17}{128}$

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



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



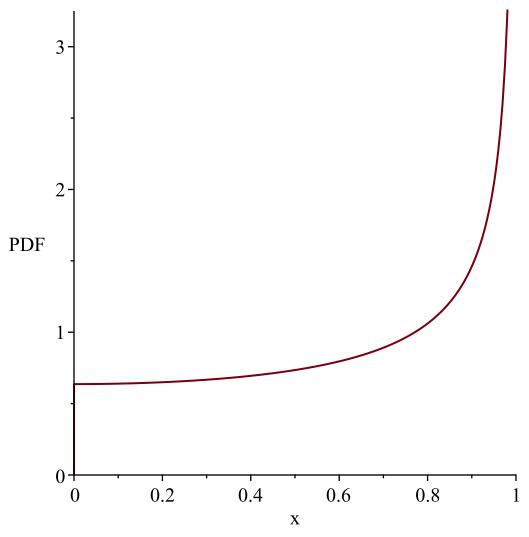
"S(x)",
$$1 - \frac{2 \arcsin(x)}{\pi}$$

"h(x)", $\frac{2 \operatorname{signum}(x)}{\sqrt{-x^2 + 1}}$ ($\pi - 2 \arcsin(x)$)

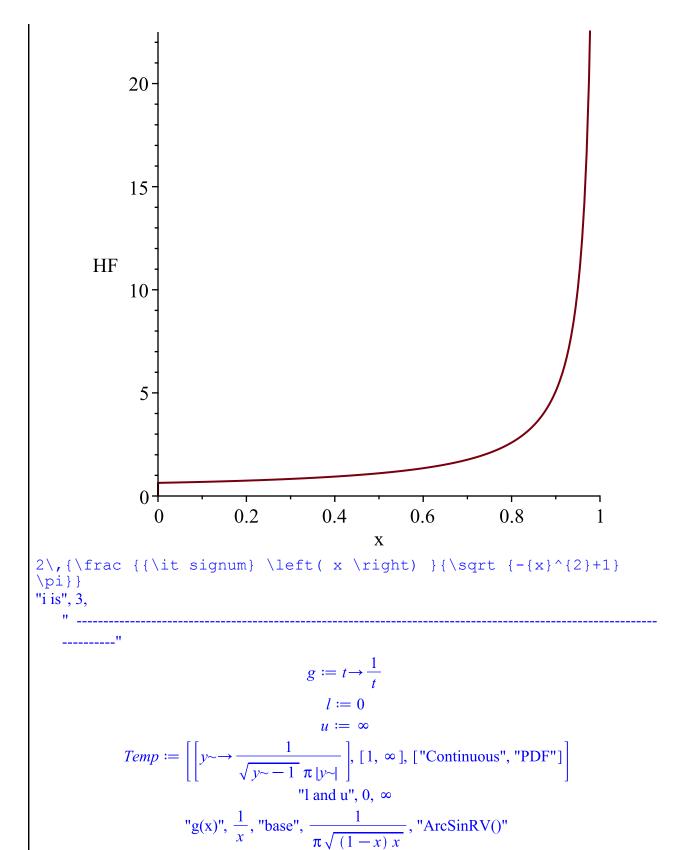
"mean and variance", $\frac{2}{\pi}$, $\frac{1}{2} - \frac{4}{\pi}$

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

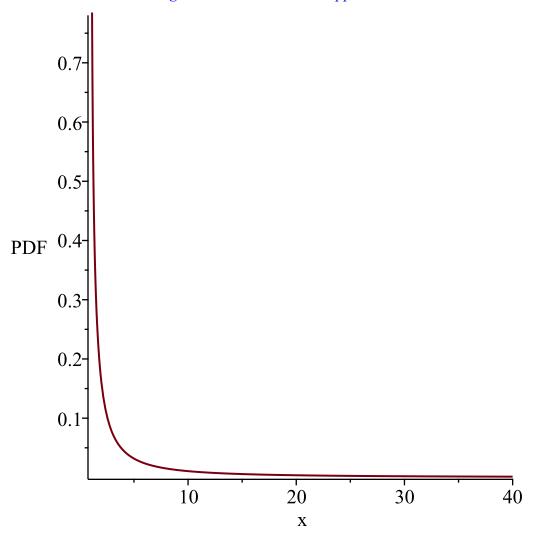


"f(x)", $\frac{1}{\sqrt{x-1} \pi |x|}$

"S(x)",
$$\frac{\pi - 2\arctan\left(\sqrt{x-1}\right)}{\pi}$$
"h(x)",
$$\frac{1}{\sqrt{x-1}|x|\left(\pi - 2\arctan\left(\sqrt{x-1}\right)\right)}$$

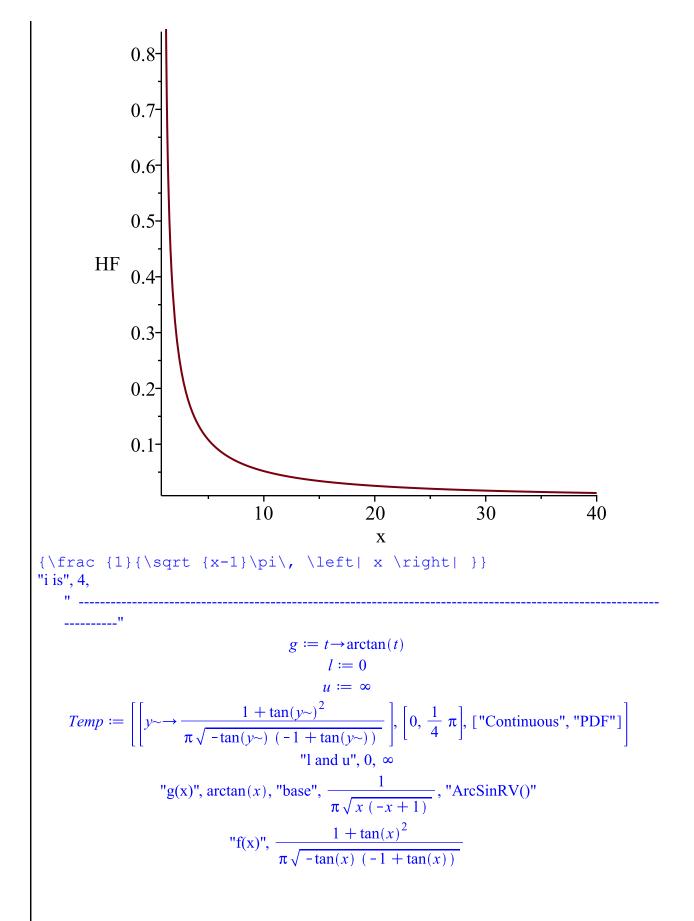
"mean and variance", ∞ , undefined WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

Resetting low to RV's minimum support value



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

Resetting low to RV's minimum support value



$$\text{"S(x)",} \begin{cases} & \frac{1}{2} \, \frac{\pi - 2 \arcsin(-1 + 2 \tan(x))}{\pi} & x \leq \frac{1}{2} \, \pi \\ \\ \frac{1}{2} \, \frac{\infty \, I + \pi - 2 \, \Re(\arcsin(-1 + 2 \tan(x)))}{\pi} & \frac{1}{2} \, \pi < x \end{cases}$$

$$\text{"h(x)",} \begin{cases} -\frac{2 \, \left(1 + \tan(x)^2\right)}{\sqrt{-\tan(x) \, \left(-1 + \tan(x)\right)} \, \left(-\pi + 2 \arcsin(-1 + 2 \tan(x))\right)} & x \leq \frac{1}{2} \, \pi \\ \\ 0 & \frac{1}{2} \, \pi < x \end{cases}$$

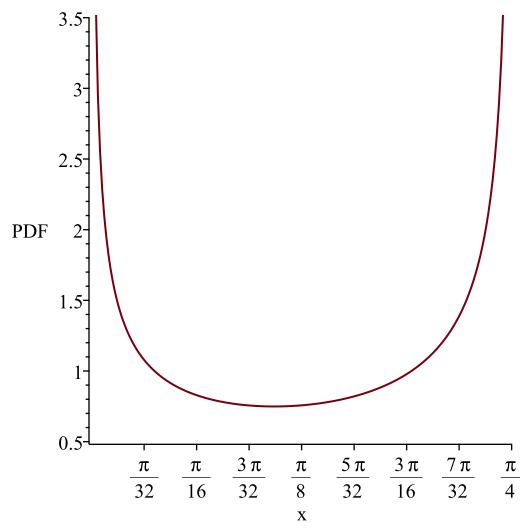
"mean and variance",
$$\frac{\int_{0}^{\frac{1}{4}\pi} \frac{x}{\cos(x)\sqrt{\sin(x)}\sqrt{\cos(x)-\sin(x)}} dx}{\pi}, \frac{1}{\pi^{2}} \left(\left(\frac{1}{\pi} \frac{x}{1} + \frac{1}{\pi} \frac{1}{\pi^{2}} \right) \right)$$

$$\int_{0}^{\frac{1}{4}\pi} \frac{x^{2}}{\cos(x)\sqrt{\sin(x)}\sqrt{\cos(x)-\sin(x)}} dx \int_{0}^{\pi} \frac{x^{2}}{\cos(x)\sqrt{\sin(x)}\sqrt{\cos(x)-\sin(x)}} dx$$

$$-\left(\int_{0}^{\frac{1}{4}\pi} \frac{x}{\cos(x)\sqrt{\sin(x)}\sqrt{\cos(x)-\sin(x)}} dx\right)^{2}$$

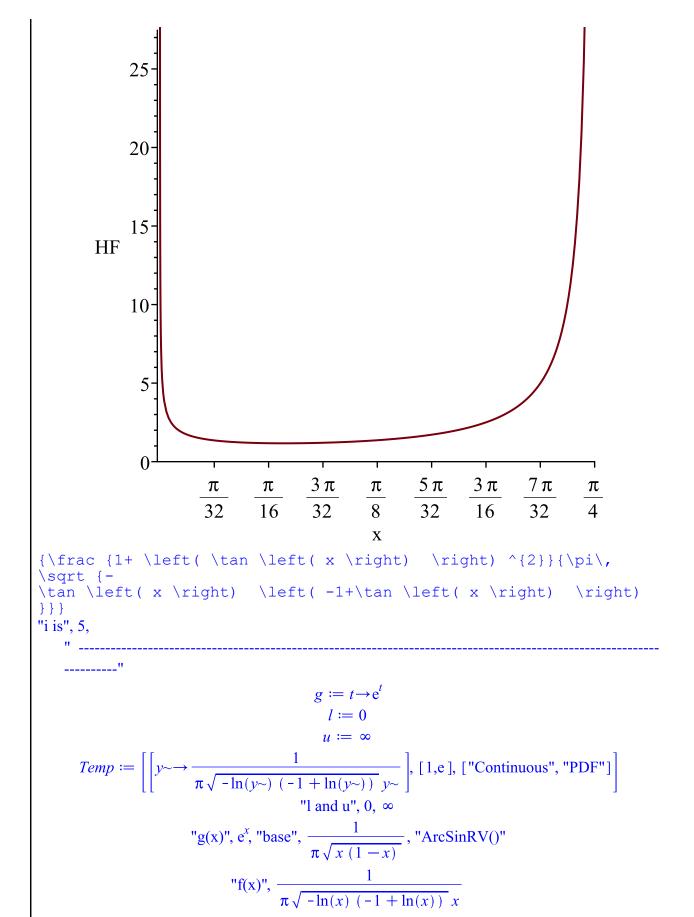
WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random

variable,
$$\frac{1}{4}$$
 π



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

variable,
$$\frac{1}{4}$$
 π



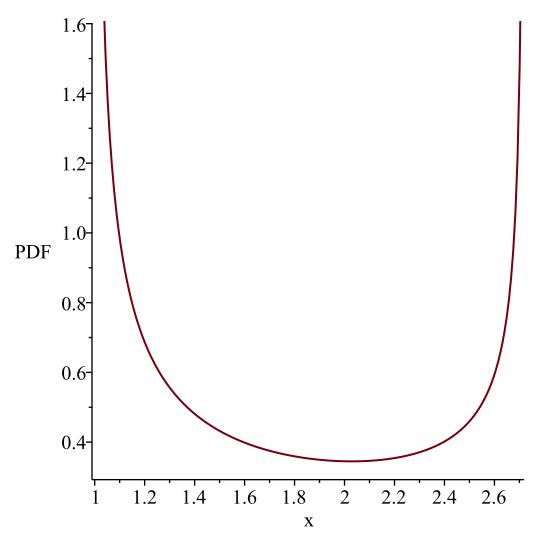
"S(x)",
$$\frac{1}{2} \frac{\pi - 2\arcsin(-1 + 2\ln(x))}{\pi}$$

"h(x)", $\frac{2}{\sqrt{-\ln(x)(-1 + \ln(x))} x (\pi - 2\arcsin(-1 + 2\ln(x)))}$

"mean and variance", $\frac{\int_{1}^{e} \frac{1}{\sqrt{1 - \ln(x)} \sqrt{\ln(x)}} dx}{\pi}$, $\frac{\left(\int_{1}^{e} \frac{x}{\sqrt{1 - \ln(x)} \sqrt{\ln(x)}} dx\right) \pi - \left(\int_{1}^{e} \frac{1}{\sqrt{1 - \ln(x)} \sqrt{\ln(x)}} dx\right)^{2}}{\pi^{2}}$

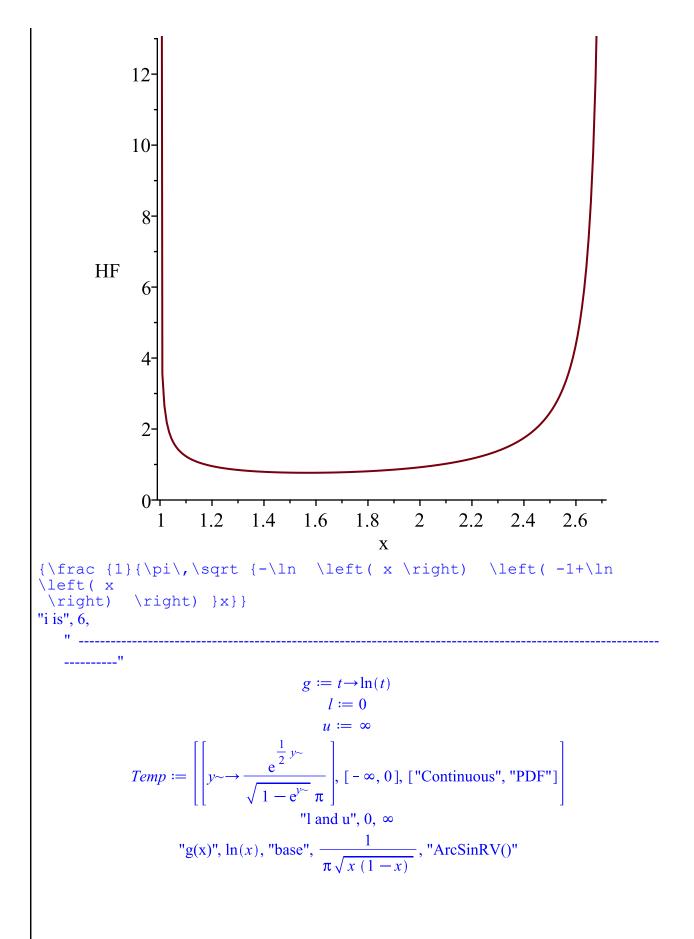
WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

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,e



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

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,e

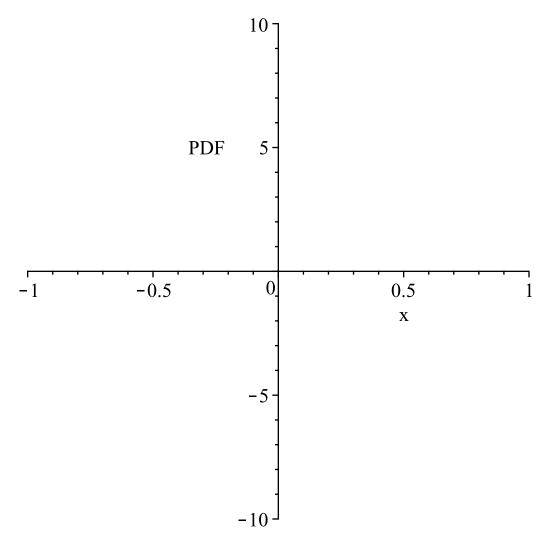


"f(x)",
$$\frac{e^{\frac{1}{2}x}}{\sqrt{1-e^x}\pi}$$
"S(x)",
$$\frac{1}{2} \frac{\pi - 2\arcsin(2e^x - 1)}{\pi}$$
"h(x)",
$$\frac{2e^{\frac{1}{2}x}}{\sqrt{1-e^x}} (\pi - 2\arcsin(2e^x - 1))$$
"mean and variance",
$$\int_{-\infty}^{0} \frac{xe^{\frac{1}{2}x}}{\sqrt{1-e^x}\pi} dx, \int_{-\infty}^{0} \frac{x^2e^{\frac{1}{2}x}}{\sqrt{1-e^x}\pi} dx - \left(\int_{-\infty}^{0} \frac{xe^{\frac{1}{2}x}}{\sqrt{1-e^x}\pi} dx\right)^2$$

WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random variable, 0

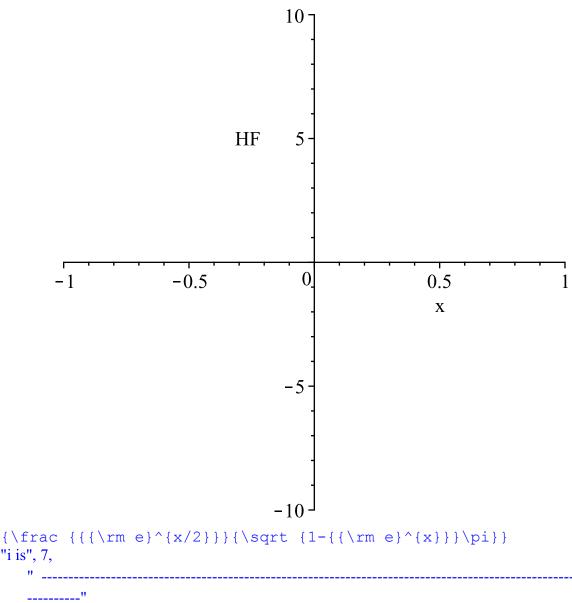
Resetting high to RV's maximum support value

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



WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random variable, 0

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



"i is", 7,

$$g := t \to e^{-t}$$

$$l := 0$$

$$u := \infty$$

$$Temp := \left[\left[y \to \frac{1}{\pi \sqrt{-\ln(y \to) (1 + \ln(y \to))} y \to } \right], [e^{-1}, 1], ["Continuous", "PDF"] \right]$$

$$"l and u", 0, \infty$$

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

$$"f(x)", \frac{1}{\pi \sqrt{-\ln(x) (1 + \ln(x))} x}$$

$$"S(x)", \frac{1}{2} \frac{\pi - 2 \arcsin(1 + 2 \ln(x))}{\pi}$$

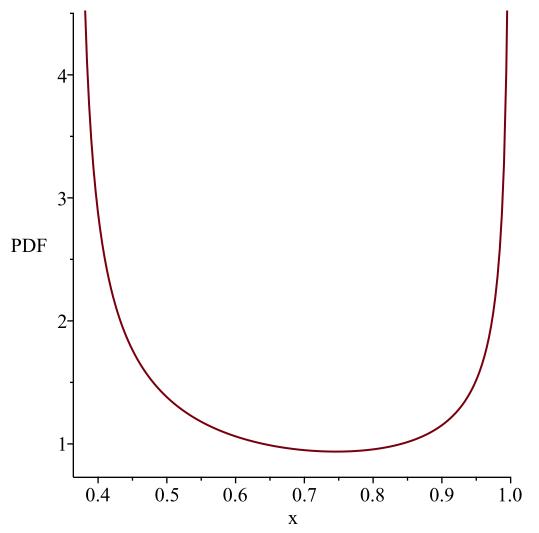
"h(x)",
$$\frac{2}{\sqrt{-\ln(x) \ (1+\ln(x))} \ x \left(\pi-2\arcsin(1+2\ln(x))\right)}$$
 "mean and variance",
$$\mathrm{e}^{-\frac{1}{2}} \operatorname{BesselI}\left(0,\frac{1}{2}\right), -\mathrm{e}^{-1}\left(\operatorname{BesselI}\left(0,\frac{1}{2}\right)^2 - \operatorname{BesselI}(0,1)\right)$$

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

 e^{-1}

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, 1

Resetting high to RV's maximum support value

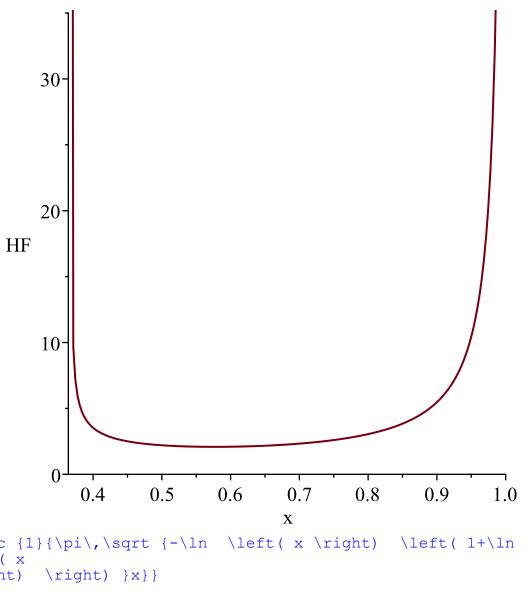


WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

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, 1

Resetting high to RV's maximum support value



 ${\frac{1}{\pi c {1}}, \sqrt{-\ln \ell(x right) \ell(1+\ln \ell)}}$ \right) "i is", 8,

$$g := t \to -\ln(t)$$

$$l := 0$$

$$u := \infty$$

$$Temp := \left[\left[y \to \frac{e^{-\frac{1}{2}y \sim}}{\sqrt{1 - e^{-y \sim}\pi}} \right], [0, \infty], ["Continuous", "PDF"] \right]$$
"I and u", 0, \infty

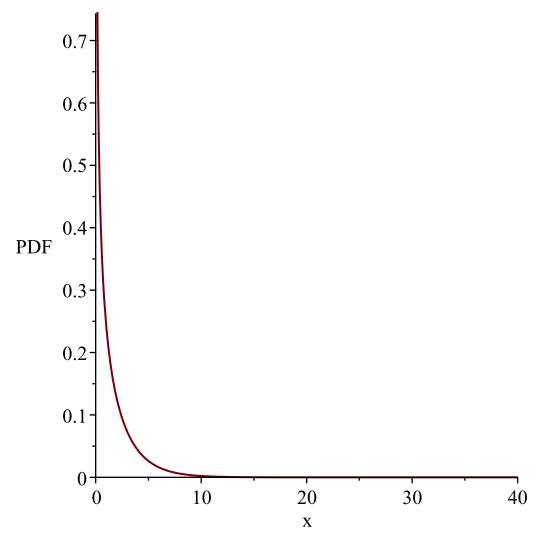
"g(x)",
$$-\ln(x)$$
, "base", $\frac{1}{\pi\sqrt{x}\ (1-x)}$, "ArcSinRV()"

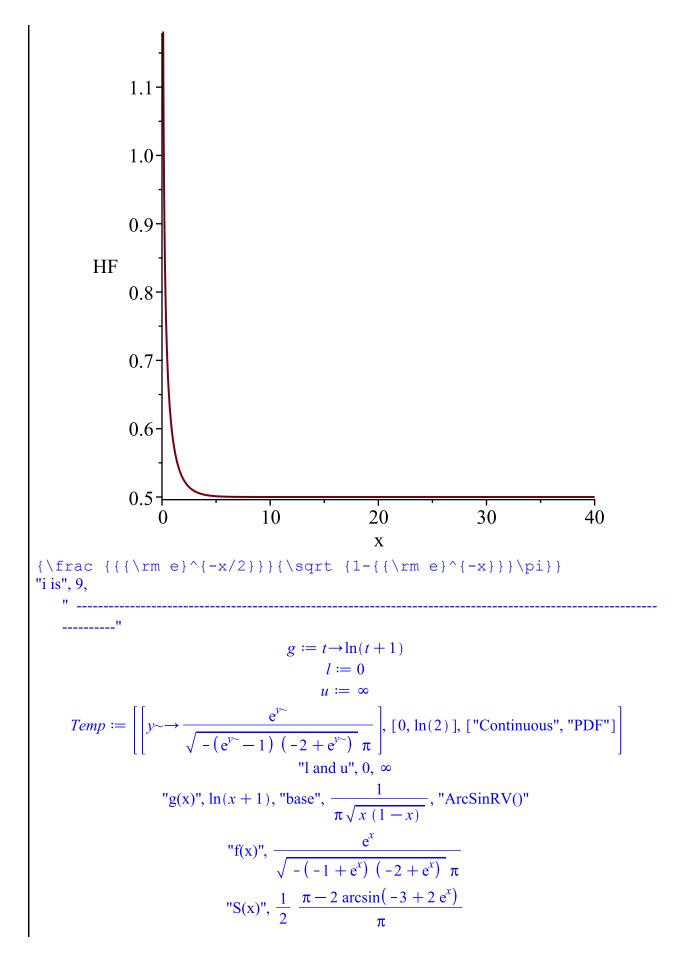
"f(x)", $\frac{e^{-\frac{1}{2}x}}{\sqrt{1-e^{-x}}}\pi$

"S(x)", $\frac{\pi-2\arctan(\sqrt{-1+e^x})}{\pi}$

"h(x)", $\frac{e^{-\frac{1}{2}x}}{\sqrt{1-e^{-x}}}(\pi-2\arctan(\sqrt{-1+e^x}))$

"mean and variance", $2\ln(2)$, $\frac{1}{3}$ π^2



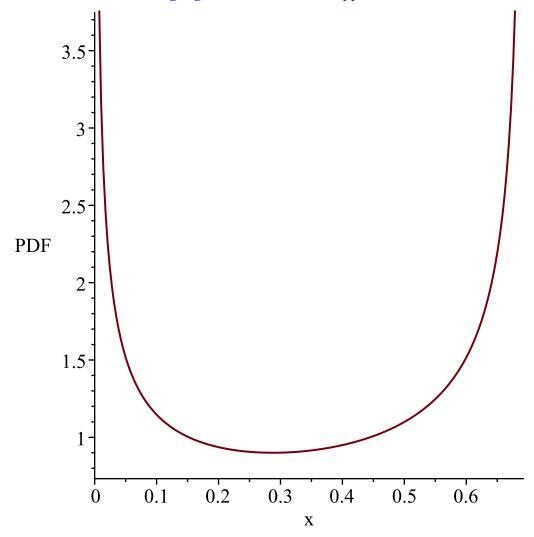


"h(x)",
$$\frac{2 e^x}{\sqrt{-(-1+e^x)(-2+e^x)}(\pi-2\arcsin(-3+2e^x))}$$

$$\int_0^{\ln(2)} \frac{x e^x}{\sqrt{-1+e^x}\sqrt{2-e^x}} dx$$
"mean and variance",

$$\left(\int_{0}^{\ln(2)} \frac{x^{2} e^{x}}{\sqrt{-1 + e^{x}} \sqrt{2 - e^{x}}} dx \right) \pi - \left(\int_{0}^{\ln(2)} \frac{x e^{x}}{\sqrt{-1 + e^{x}} \sqrt{2 - e^{x}}} dx \right)^{2}$$

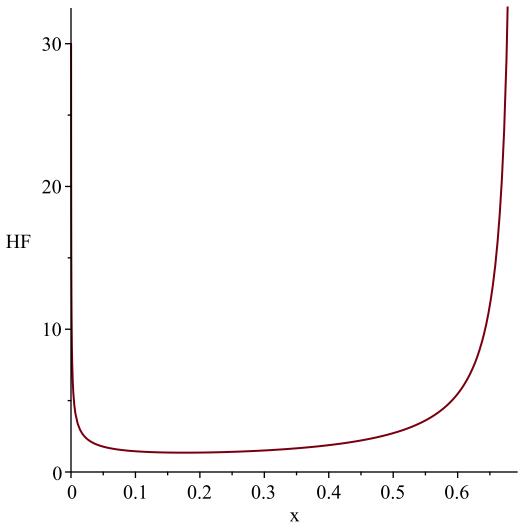
WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random variable, ln(2)



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

is greater than maximum support value of the random variable, ln(2)

Resetting high to RV's maximum support value



" ------

$$g := t \to \frac{1}{\ln(t+2)}$$
$$l := 0$$
$$u := \infty$$

$$Temp := \left[\left[y \sim \rightarrow \frac{e^{\frac{1}{y \sim}}}{\sqrt{-\left(e^{\frac{1}{y \sim}} - 2\right)\left(-3 + e^{\frac{1}{y \sim}}\right)} \pi y \sim^2} \right], \left[\frac{1}{\ln(3)}, \frac{1}{\ln(2)} \right], ["Continuous",$$

"I and u", 0,
$$\infty$$

"g(x)", $\frac{1}{\ln(x+2)}$, "base", $\frac{1}{\pi\sqrt{x(1-x)}}$, "ArcSinRV()"

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

"S(x)", $\frac{1}{2}\frac{\pi+2\arcsin\left(-5+2e^{\frac{1}{x}}\right)}{\pi}$

"h(x)", $\frac{2e^{\frac{1}{x}}}{\sqrt{-\left(e^{\frac{1}{x}}-2\right)\left(-3+e^{\frac{1}{x}}\right)}}x^2\left(\pi+2\arcsin\left(-5+2e^{\frac{1}{x}}\right)\right)}$
 $\frac{1}{\ln(2)}$
 $\frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}}-2}\sqrt{3-e^{\frac{1}{x}}}}}dx$

variance".

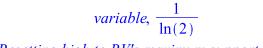
"mean and variance",

$$\frac{\left(\int \frac{\frac{1}{\ln(2)}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{x\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}} dx\right)^{2} - \left(\int \frac{\frac{1}{\ln(2)}}{\frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}}\sqrt{3 - e^{\frac{1}{x}}}} dx\right)^{2} - \left(\int \frac{\frac{1}{\ln(2)}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}} dx\right)^{2} - \left(\int \frac{\frac{1}{\ln(2)}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}\sqrt{3 - e^{\frac{1}{x}}}}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}{\sqrt{e^{\frac{1}{x}} - 2}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{1}{\ln(3)}} \frac{e^{\frac{1}{x}}}}{\sqrt{e^{\frac{1}{x}} - 2}} dx\right)^{2} + \left(\int \frac{e^{\frac{1}{x}}}{\frac{e$$

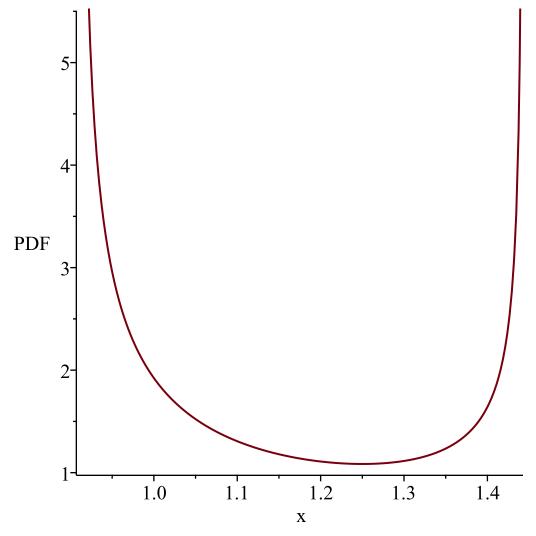
WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

$$\frac{1}{\ln(3)}$$

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





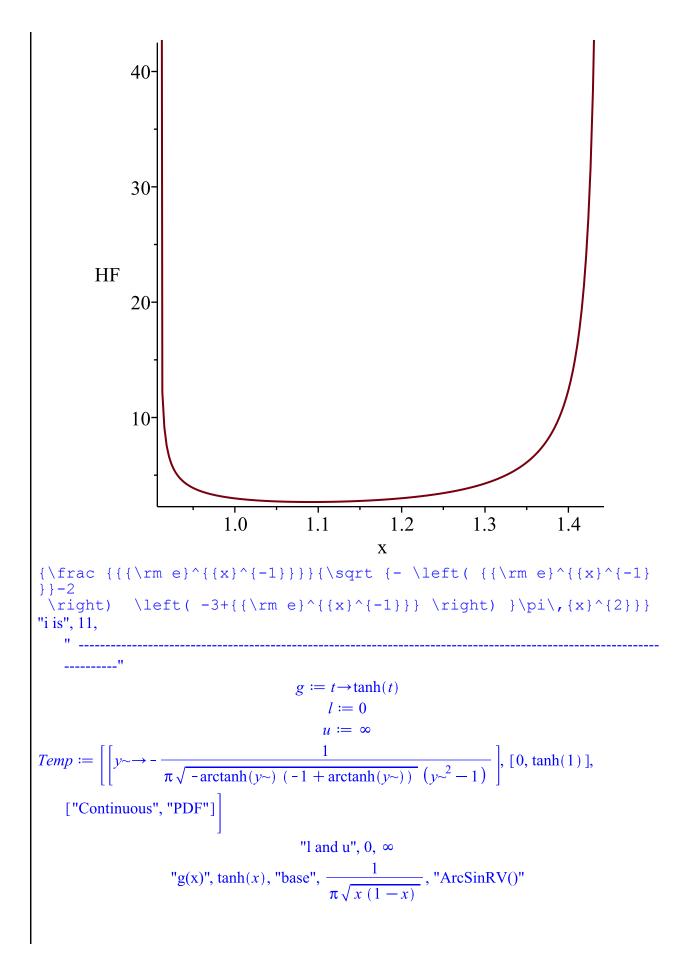


WARNING(PlotDist): Low value provided by user, 0 is less than minimum support value of random variable

$$\frac{1}{\ln(3)}$$

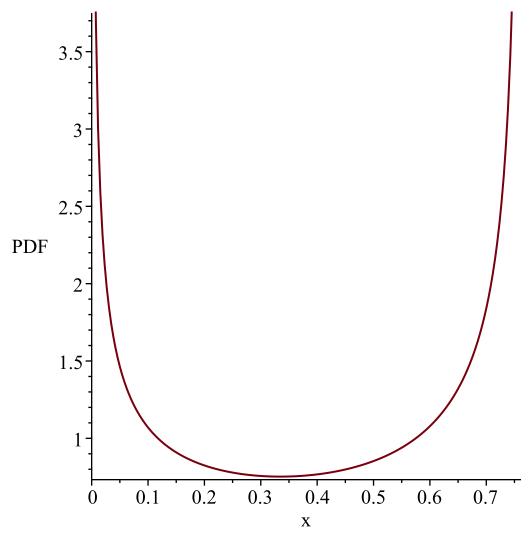
Resetting low to RV's minimum support value WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random

variable,
$$\frac{1}{\ln(2)}$$

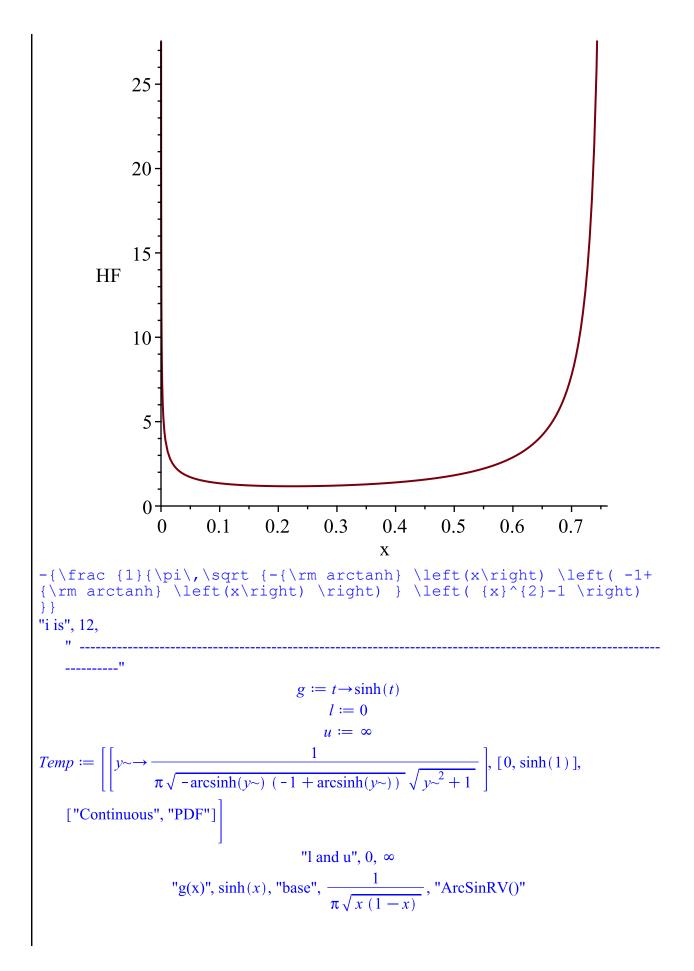


$$\text{"F(x)", } - \frac{1}{\pi \sqrt{-\arctan(x)} \; (-1 + \arctan(x))} \; \left(x^2 - 1\right) } \\ \pi + \int_0^x \frac{1}{\sqrt{-\arctan(x)} \; \left(-1 + \arctan(x)\right)} \; \left(t^2 - 1\right) } \; \mathrm{d}t \\ \text{"S(x)", } \frac{\pi}{\pi} \\ \text{"h(x)", } -1 \left/ \left(\sqrt{-\arctan(x)} \; \left(-1 + \arctan(x)\right)} \; \left(x^2 - 1\right) \left(\pi + \frac{1}{\sqrt{-\arctan(x)} \; \left(-1 + \arctan(x)\right)} \; \left(t^2 - 1\right) } \; \mathrm{d}t \right) \right) \right. \\ \text{"mean and variance", } -\frac{\int_0^{\tanh(1)} \frac{x}{\sqrt{\arctan(x)} \; \sqrt{1 - \arctan(x)} \; \left(x^2 - 1\right)} \; \mathrm{d}x}{\pi} , -\frac{1}{\pi^2} \left(\left(\frac{\tan(x)}{\sqrt{\arctan(x)} \; \sqrt{1 - \arctan(x)} \; \left(x^2 - 1\right)} \; \mathrm{d}x \right) \right. \\ + \left. \left(\int_0^{\tanh(1)} \frac{x}{\sqrt{\arctan(x)} \; \sqrt{1 - \arctan(x)} \; \left(x^2 - 1\right)} \; \mathrm{d}x \right)^2 \right)$$

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



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



"f(x)",
$$\frac{1}{\pi \sqrt{-\arcsin(x) (-1 + \arcsin(x))} \sqrt{x^2 + 1}}$$
"S(x)", $\frac{1}{2} \frac{\pi + 2\arcsin(1 + 2\ln(-x + \sqrt{x^2 + 1}))}{\pi}$

"h(x)",

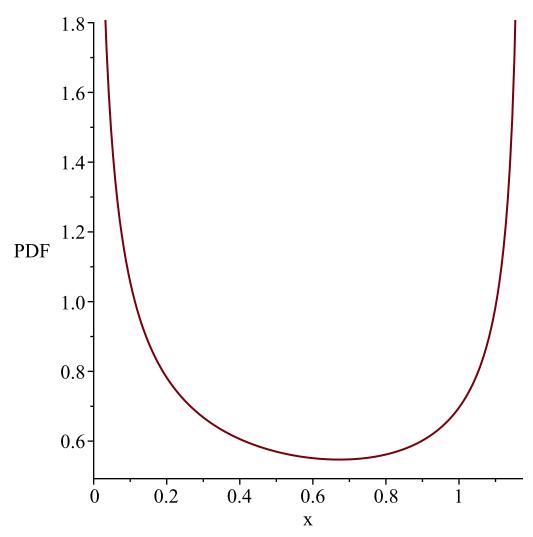
$$\frac{2}{\sqrt{-\arcsin(x) \left(-1 + \arcsin(x)\right)} \sqrt{x^2 + 1} \left(\pi + 2\arcsin\left(1 + 2\ln\left(-x + \sqrt{x^2 + 1}\right)\right)\right)}$$

"mean and variance",
$$\frac{\int_{0}^{x} \frac{x}{\sqrt{\operatorname{arcsinh}(x)} \sqrt{1 - \operatorname{arcsinh}(x)} \sqrt{x^{2} + 1}} dx}{\pi}, \frac{1}{\pi^{2}} \left(\left(\frac{1}{x} \right) \frac{x}{\sqrt{x^{2} + 1}} \right) \left(\frac{1}{x} \right) \left(\frac{$$

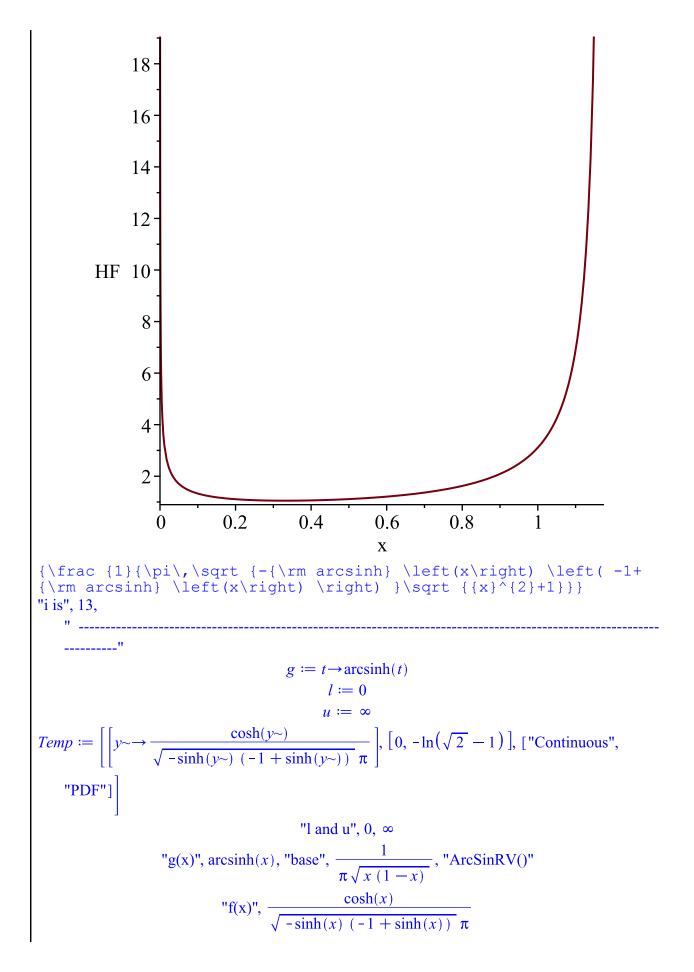
$$\int_{0}^{\sinh(1)} \frac{x^{2}}{\sqrt{\operatorname{arcsinh}(x)} \sqrt{1 - \operatorname{arcsinh}(x)} \sqrt{x^{2} + 1}} dx \pi$$

$$- \left(\int_{0}^{\sinh(1)} \frac{x}{\sqrt{\operatorname{arcsinh}(x)} \sqrt{1 - \operatorname{arcsinh}(x)} \sqrt{x^{2} + 1}} dx \right)^{2}$$

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



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



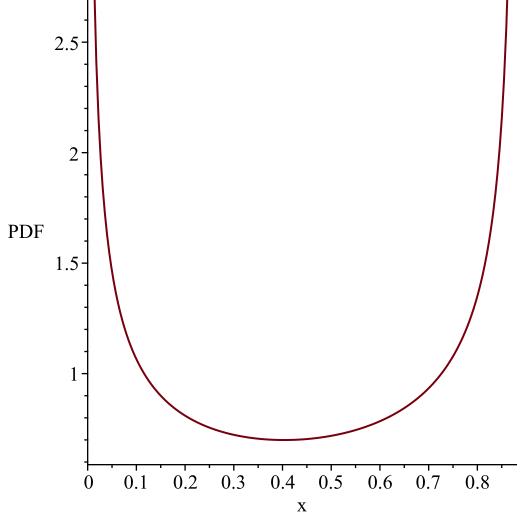
$$\text{"S(x)", } \frac{1}{2} \; \frac{\pi - 2\arcsin\left(e^{x} - 1 - e^{-x}\right)}{\pi}$$

$$\text{"h(x)", } \frac{2\cosh(x)}{\sqrt{-\sinh(x)}\;(-1 + \sinh(x))} \; \left(\pi - 2\arcsin\left(e^{x} - 1 - e^{-x}\right)\right)$$

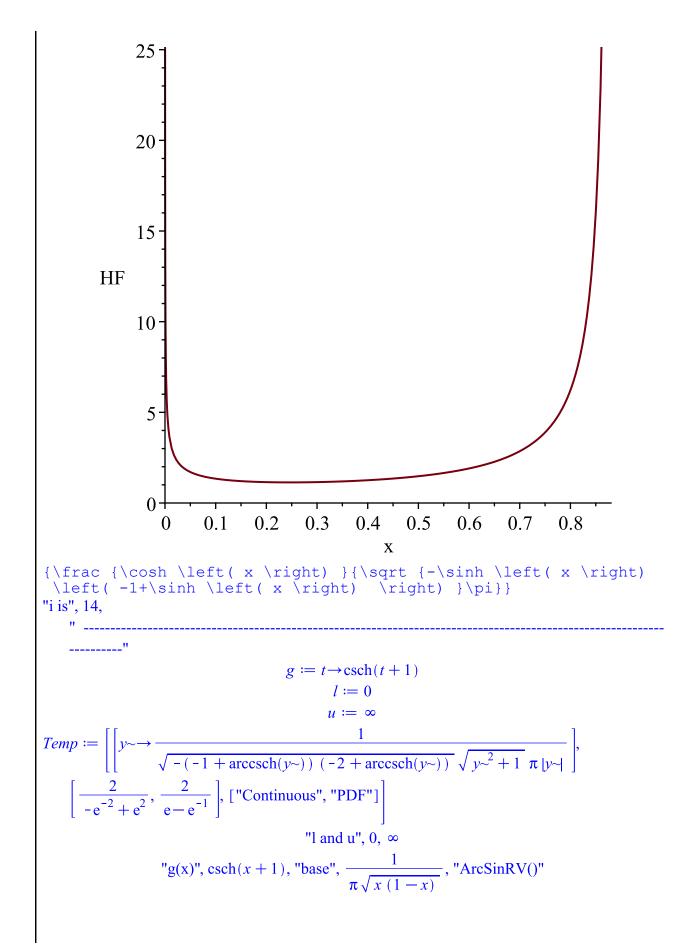
$$\text{"mean and variance", } \frac{\int_{0}^{-\ln(\sqrt{2} - 1)} \frac{x\cosh(x)}{\sqrt{\sinh(x)}\;\sqrt{1 - \sinh(x)}} \; \mathrm{d}x}{\pi}, \frac{1}{\pi^{2}} \left(\left(\int_{0}^{-\ln(\sqrt{2} - 1)} \frac{x\cosh(x)}{\sqrt{\sinh(x)}\;\sqrt{1 - \sinh(x)}} \; \mathrm{d}x \right) \pi - \left(\int_{0}^{-\ln(\sqrt{2} - 1)} \frac{x\cosh(x)}{\sqrt{\sinh(x)}\;\sqrt{1 - \sinh(x)}} \; \mathrm{d}x \right)^{2} \right)$$

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

variable,
$$-\ln(\sqrt{2}-1)$$



WARNING(PlotDist): High value provided by user, 40 is greater than maximum support value of the random variable, $-\ln(\sqrt{2}-1)$ Resetting high to RV's maximum support value



$$\frac{1}{\sqrt{-(-1 + \operatorname{arccsch}(x)) \cdot (-2 + \operatorname{arccsch}(x))}} \sqrt{x^2 + 1} \pi |x|
\pi - \left(\int_{\frac{2e^2}{e^4 - 1}}^{x} \frac{1}{\sqrt{-(-1 + \operatorname{arccsch}(t)) \cdot (-2 + \operatorname{arccsch}(t))}} \sqrt{t^2 + 1} |t| \right) dt
\|S(x)\|, \frac{1}{\pi}$$

$$\frac{1}{\sqrt{-(-1 + \operatorname{arccsch}(x)) \cdot (-2 + \operatorname{arccsch}(x))}} \sqrt{x^2 + 1} |x| \left(-\pi + \frac{1}{\sqrt{-(-1 + \operatorname{arccsch}(t)) \cdot (-2 + \operatorname{arccsch}(t))}} \sqrt{t^2 + 1} |t| \right) dt$$

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

"mean and variance",

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

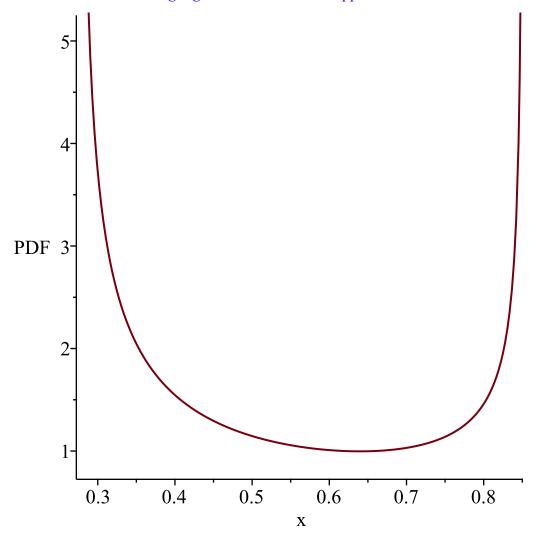
$$- \left(\int_{\frac{2e^{2}}{e^{4}-1}}^{\frac{2e}{e^{2}-1}} \frac{1}{\sqrt{-(-1+\operatorname{arccsch}(x))(-2+\operatorname{arccsch}(x))}} \sqrt{x^{2}+1} \, dx \right)^{2} \right)$$

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



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

Error, (in property/LinearProp/+) too many levels of recursion