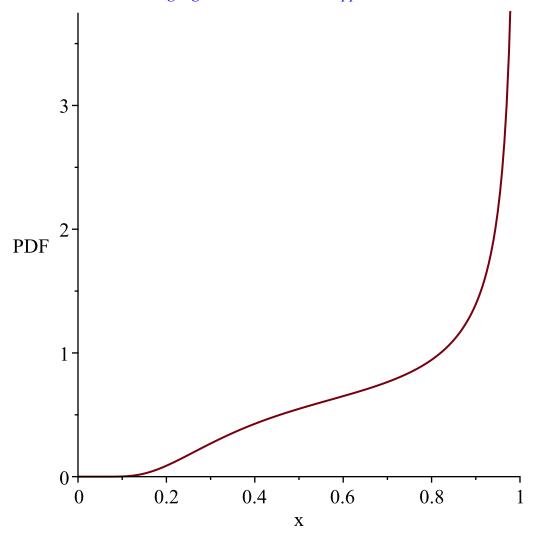
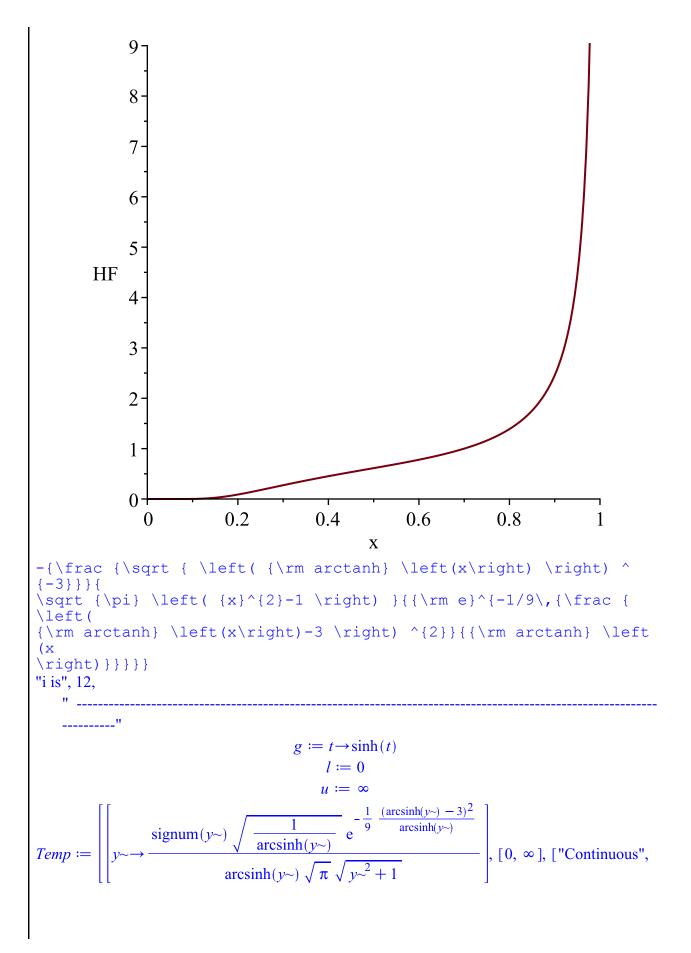
$$\frac{\left(\int_{0}^{1} \frac{x e^{-\frac{1}{9} \frac{\left(\arctanh(x) - 3\right)^{2}}{\operatorname{arctanh}(x)}}}{\operatorname{arctanh}(x)^{3/2} \left(x^{2} - 1\right)} dx\right)^{2} \sqrt{\pi} + \left(\int_{0}^{1} \frac{x^{2} e^{-\frac{1}{9} \frac{\left(\operatorname{arctanh}(x) - 3\right)^{2}}{\operatorname{arctanh}(x)}}}{\operatorname{arctanh}(x)^{3/2} \left(x^{2} - 1\right)} dx\right) \pi}{\pi^{3/2}}$$

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



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

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

$$\frac{\text{signum}(x)}{\text{arcsinh}(x)} \sqrt{\frac{1}{\arcsin h(x)}} e^{-\frac{1}{9} \frac{(\arcsin h(x) - 3)^2}{\arcsin h(x)}}$$

$$-\sqrt{\pi} + \int_0^x \frac{\text{signum}(t)}{\sqrt{\frac{1}{\arcsin h(t)}}} e^{-\frac{1}{9} \frac{(\arcsin h(t) - 3)^2}{\arcsin h(t)}} dt$$

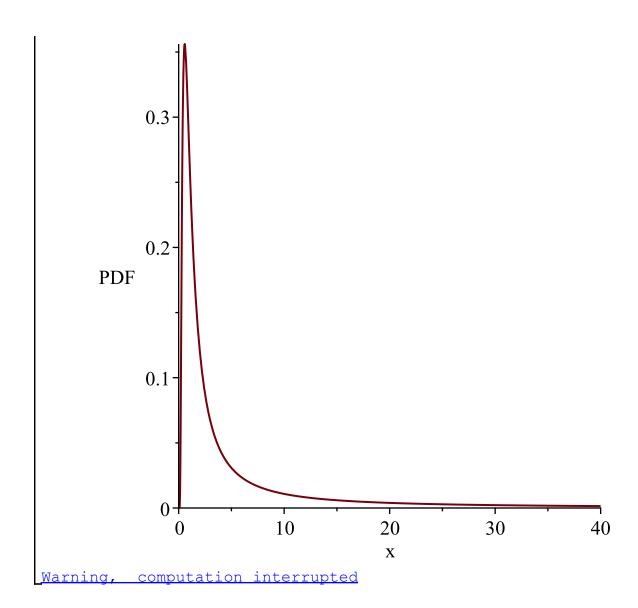
"S(x)", -

$$\frac{\sqrt{\pi}}{\text{arcsinh}(x)} \sqrt{\frac{1}{\arcsin h(x)}} e^{-\frac{1}{9} \frac{(\arcsin h(x) - 3)^2}{\arcsin h(x)}}$$
"h(x)", -

$$\frac{\sin \ln(x)}{\sqrt{x^2 + 1}} \left(-\sqrt{\pi} + \int_0^x \frac{\sin \ln(t)}{\sqrt{\frac{1}{\arcsin h(t)}}} e^{-\frac{1}{9} \frac{(\arcsin h(t) - 3)^2}{\arcsin h(t)}} e^{-\frac{1}{9} \frac{(\arcsin h(t) - 3)^2}{\arcsin h(t)}} dt \right)$$

$$\frac{1}{\arcsin h(x)} \sqrt{x^2 + 1} \left(-\sqrt{\pi} + \int_0^x \frac{\sin \ln(t)}{\sqrt{\frac{1}{\arcsin h(t)}}} e^{-\frac{1}{9} \frac{(\arcsin h(t) - 3)^2}{\arcsin h(t)}} dt \right)$$

"mean and variance", ∞, undefined



[>