$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$y = \frac{u}{v} \qquad y' = \frac{u'v - v'u}{v^2}$ $y = a^u, 1 \neq a > 0 \qquad y' = u'a^u \ln(a)$ $y = \sin(u) \qquad y' = u'\cos(u)$ $y = \cos(u) \qquad y' = -u'\sin(u)$ $y = tg(u) \qquad y' = -u'\csc(u)^2$ $y = \cot g(u) \qquad y' = -u'tg(u)\sec(u)$ $y = \cos(u) \qquad y' = u'tg(u)\sec(u)$ $y = \cos(u) \qquad y' = -u'\cos(u)\cos(u)$ $y = \sinh(u) \qquad y' = u'\cosh(u)$ $y = \cosh(u) \qquad y' = u'\sinh(u)$ $y = \cosh(u) \qquad y' = -u'\cosh(u)^2$ $y = \coth(u) \qquad y' = -u'\cosh(u)tgh(u)$
$y = \text{sen}(u) \qquad y' = u' \cos(u)$ $y = \cos(u) \qquad y' = -u' \text{sen}(u)$ $y = \text{tg}(u) \qquad y' = -u' \text{sec}(u)^2$ $y = \cot(u) \qquad y' = -u' \cos(u)^2$ $y = \sec(u) \qquad y' = u' \text{tg}(u) \sec(u)$ $y = \cos(u) \qquad y' = -u' \cos(u) \cot(u)$ $y = \cos(u) \qquad y' = -u' \cos(u) \cot(u)$ $y = \sinh(u) \qquad y' = u' \cos(u)$ $y = \cosh(u) \qquad y' = u' \sin(u)$ $y = \text{tgh}(u) \qquad y' = u' \operatorname{sech}(u)^2$ $y = \cot(u) \qquad y' = -u' \csc(u) \cot(u)$ $y = -u' \cos(u) \cot(u)$ $y = -u' \cos(u) \cot(u)$ $y' = -u' \operatorname{sech}(u)^2$ $y' = -u' \operatorname{sech}(u) \cot(u)$
$y = \text{sen}(u) \qquad y' = u'\cos(u) \\ y = \cos(u) \qquad y' = -u'\text{sen}(u) \\ y = \text{tg}(u) \qquad y' = -u'\text{sec}(u)^2 \\ y = \cot(u) \qquad y' = -u'\text{cossec}(u)^2 \\ y = \sec(u) \qquad y' = u'\text{tg}(u)\text{sec}(u) \\ y = \cos(u) \qquad y' = -u'\text{cossec}(u) \cot(u) \\ y = \sinh(u) \qquad y' = u'\text{cosh}(u) \\ y = \cosh(u) \qquad y' = u'\text{sech}(u)^2 \\ y = \cot(u) \qquad y' = -u'\text{cossech}(u)^2 \\ y = \cot(u) \qquad y' = -u'\text{sech}(u)\text{tgh}(u) \\ y = \sec(u) \qquad y' = -u'\text{sech}(u)\text{tgh}(u)$
$y = \text{sen}(u) \qquad y' = u'\cos(u) \\ y = \cos(u) \qquad y' = -u'\text{sen}(u) \\ y = \text{tg}(u) \qquad y' = -u'\text{sec}(u)^2 \\ y = \cot(u) \qquad y' = -u'\text{cossec}(u)^2 \\ y = \sec(u) \qquad y' = u'\text{tg}(u)\text{sec}(u) \\ y = \cos(u) \qquad y' = -u'\text{cossec}(u) \cot(u) \\ y = \sinh(u) \qquad y' = u'\text{cosh}(u) \\ y = \cosh(u) \qquad y' = u'\text{sech}(u)^2 \\ y = \cot(u) \qquad y' = -u'\text{cossech}(u)^2 \\ y = \cot(u) \qquad y' = -u'\text{sech}(u)\text{tgh}(u) \\ y = \sec(u) \qquad y' = -u'\text{sech}(u)\text{tgh}(u)$
$y = \cos(u) \qquad y' = -u' \sin(u) $ $y = tg(u) \qquad y' = u' \sec(u)^{2} $ $y = \cot g(u) \qquad y' = -u' \csc(u)^{2} $ $y = \sec(u) \qquad y' = u' tg(u) \sec(u) $ $y = \csc(u) \qquad y' = -u' \cos \sec(u) \cot g(u) $ $y = \sinh(u) \qquad y' = u' \cosh(u) $ $y = \cosh(u) \qquad y' = u' \sinh(u) $ $y = tgh(u) \qquad y' = u' \operatorname{sech}(u)^{2} $ $y = \coth(u) \qquad y' = -u' \operatorname{cossech}(u)^{2} $ $y = \operatorname{sech}(u) \qquad y' = -u' \operatorname{sech}(u) \operatorname{tgh}(u) $
$y = \cot g(u) \qquad y' = -u' \csc u(u)^2$ $y = \sec (u) \qquad y' = u' \operatorname{tg}(u) \sec (u)$ $y = \operatorname{cossec}(u) \qquad y' = -u' \operatorname{cossec}(u) \cot g(u)$ $y = \operatorname{senh}(u) \qquad y' = u' \operatorname{cosh}(u)$ $y = \cosh (u) \qquad y' = u' \operatorname{senh}(u)$ $y = \operatorname{tgh}(u) \qquad y' = u' \operatorname{sech}(u)^2$ $y = \operatorname{cotgh}(u) \qquad y' = -u' \operatorname{cossech}(u)^2$ $y = \operatorname{sech}(u) \qquad y' = -u' \operatorname{sech}(u) \operatorname{tgh}(u)$
$y = \sec(u) \qquad y' = u' \operatorname{tg}(u) \sec(u)$ $y = \operatorname{cossec}(u) \qquad y' = -u' \operatorname{cossec}(u) \cot(u)$ $y = \operatorname{senh}(u) \qquad y' = u' \operatorname{cosh}(u)$ $y = \cosh(u) \qquad y' = u' \operatorname{senh}(u)$ $y = \operatorname{tgh}(u) \qquad y' = u' \operatorname{sech}(u)^2$ $y = \operatorname{cotgh}(u) \qquad y' = -u' \operatorname{cossech}(u)^2$ $y = \operatorname{sech}(u) \qquad y' = -u' \operatorname{sech}(u) \operatorname{tgh}(u)$
$y = \operatorname{cossec}(u) \qquad y' = -u'\operatorname{cossec}(u)\operatorname{cotg}(u)$ $y = \operatorname{senh}(u) \qquad y' = u'\operatorname{cosh}(u)$ $y = \operatorname{cosh}(u) \qquad y' = u'\operatorname{senh}(u)$ $y = \operatorname{tgh}(u) \qquad y' = u'\operatorname{sech}(u)^2$ $y = \operatorname{cotgh}(u) \qquad y' = -u'\operatorname{cossech}(u)^2$ $y = \operatorname{sech}(u) \qquad y' = -u'\operatorname{sech}(u)\operatorname{tgh}(u)$
$y = \operatorname{senh}(u) \qquad y' = u' \operatorname{cosh}(u)$ $y = \operatorname{cosh}(u) \qquad y' = u' \operatorname{senh}(u)$ $y = \operatorname{tgh}(u) \qquad y' = u' \operatorname{sech}(u)^2$ $y = \operatorname{cotgh}(u) \qquad y' = -u' \operatorname{cossech}(u)^2$ $y = \operatorname{sech}(u) \qquad y' = -u' \operatorname{sech}(u) \operatorname{tgh}(u)$
$y = \cosh(u) \qquad y' = u' \operatorname{senh}(u)$ $y = \operatorname{tgh}(u) \qquad y' = u' \operatorname{sech}(u)^{2}$ $y = \operatorname{cotgh}(u) \qquad y' = -u' \operatorname{cossech}(u)^{2}$ $y = \operatorname{sech}(u) \qquad y' = -u' \operatorname{sech}(u) \operatorname{tgh}(u)$
$y = \operatorname{tgh}(u) \qquad y' = u'\operatorname{sech}(u)^{2}$ $y = \operatorname{cotgh}(u) \qquad y' = -u'\operatorname{cossech}(u)^{2}$ $y = \operatorname{sech}(u) \qquad y' = -u'\operatorname{sech}(u)\operatorname{tgh}(u)$
$y = \operatorname{cotgh}(u) \qquad y' = -u'\operatorname{cossech}(u)^{2}$ $y = \operatorname{sech}(u) \qquad y' = -u'\operatorname{sech}(u)\operatorname{tgh}(u)$
$y = \operatorname{sech}(u)$ $y' = -y'\operatorname{sech}(y)\operatorname{tgh}(y)$
$y = \operatorname{sech}(u) \qquad y' = -u' \operatorname{sech}(u) \operatorname{tgh}(u)$ $y = \operatorname{cossech}(u) \qquad y' = -u' \operatorname{cossech}(u) \operatorname{cotgh}(u)$ $y = \operatorname{arcsen}(u) \qquad y' = \frac{u'}{\sqrt{1 - u^2}}$ $y = \operatorname{arccos}(u) \qquad y' = -\frac{u'}{\sqrt{1 - u^2}}$ $y = \operatorname{arctg}(u) \qquad y' = \frac{u'}{1 + u^2}$ $y = \operatorname{cotg}(u) \qquad y' = -\frac{u'}{1 + u^2}$ $y = \operatorname{sec}(u), u \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{cossec}(u), u \ge 1 \qquad y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}$
$y = \operatorname{cossech}(u) \qquad y' = -u'\operatorname{cossech}(u)\operatorname{cotgh}(u)$ $y = \operatorname{arcsen}(u) \qquad y' = \frac{u'}{\sqrt{1 - u^2}}$ $y = \operatorname{arccos}(u) \qquad y' = -\frac{u'}{\sqrt{1 - u^2}}$ $y = \operatorname{arctg}(u) \qquad y' = \frac{u'}{1 + u^2}$ $y = \operatorname{cotg}(u) \qquad y' = -\frac{u'}{1 + u^2}$ $y = \operatorname{sec}(u), u \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{cossec}(u), u \ge 1 \qquad y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) \qquad y' = \frac{u'}{\sqrt{u^2 - 1}}$
$y = \arcsin(u) \qquad y' = \frac{u'}{\sqrt{1 - u^2}}$ $y = \arccos(u) \qquad y' = -\frac{u'}{\sqrt{1 - u^2}}$ $y = \arctan(u) \qquad y' = \frac{u'}{1 + u^2}$ $y = \cot(u) \qquad y' = -\frac{u'}{1 + u^2}$ $y = \sec(u), u \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \csc(u), u \ge 1 \qquad y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) \qquad y' = \frac{u'}{\sqrt{u^2 - 1}}$
$y = \arccos(u) y' = -\frac{u'}{\sqrt{1 - u^2}}$ $y = \arctan(u) y' = \frac{u'}{1 + u^2}$ $y = \cot(u) y' = -\frac{u'}{1 + u^2}$ $y = \sec(u), u y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \csc(u), u \ge 1 y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) y' = \frac{u'}{\sqrt{u^2 - 1}}$
$y = \arctan(u) \qquad y' = \frac{u'}{1 + u^2}$ $y = \cot(u) \qquad y' = -\frac{u'}{1 + u^2}$ $y = \sec(u), u \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \csc(u), u \ge 1 \qquad y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}$
$y = \cot y y' = -\frac{u'}{1 + u^2}$ $y = \sec (u), u y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \csc (u), u \ge 1 y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) y' = \frac{u'}{\sqrt{u^2 - 1}}$
$y = \sec(u), u \qquad y' = \frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{cossec}(u), u \ge 1 \qquad y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) \qquad y' = \frac{u'}{\sqrt{u^2 - 1}}$
$y = \operatorname{cossec}(u), u \ge 1 \qquad y' = -\frac{u'}{ u \sqrt{u^2 - 1}}, u > 1$ $y = \operatorname{arsenh}(u) \qquad y' = \frac{u'}{\sqrt{u^2 - 1}}$
$y = \operatorname{arsenh}(u)$ $y' = \frac{u'}{\sqrt{2u^2-1}}$
$\sqrt{u^2+1}$
$y = \operatorname{arcosh}(u) \qquad \qquad y' = \frac{u'}{\sqrt{u^2 - 1}}, u > 1$
$y = \operatorname{artg}(u)$ $y' = \frac{u'}{1 - u^2}, u < 1$
$y = \operatorname{arcotgh}(u) \qquad \qquad y' = \frac{u'}{1 - u^2}, u < 1$
$y = \operatorname{arsech}(u) \qquad y' = -\frac{u'}{u\sqrt{1 - u^2}}, 0 < u < 1$
$y = \operatorname{arcossech}(u) \qquad y' = -\frac{u'}{ u \sqrt{1+u^2}}, u \neq 0$
y = u $y' =$