

Rubi 4.16.1 Integration Rule Index

Algebraic function rules

Rules 1-28: "9 Miscellaneous\9.1 Integrand simplification rules.nb"
Rules 29-33: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.1 $(a+b x)^m$.nb"
Rules 34-73: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.2 $(a+b x)^m (c+d x)^n$.nb"
Rules 74-146: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.3 $(a+b x)^m (c+d x)^n (e+f x)^p$.nb"
Rules 147-194: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.4 $(a+b x)^m (c+d x)^n (e+f x)^p (g+h x)^q$.nb"
Rules 195-264: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.1 $(a+b x^n)^p$.nb"
Rules 265-379: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.2 $(c x)^m (a+b x^n)^p$.nb"
Rules 380-446: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.3 $(a+b x^n)^p (c+d x^n)^q$.nb"
Rules 447-534: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.4 $(e x)^m (a+b x^n)^p (c+d x^n)^q$.nb"
Rules 535-580: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.5 $(a+b x^n)^p (c+d x^n)^q (e+f x^n)^r$.nb"
Rules 581-620: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.6 $(g x)^m (a+b x^n)^p (c+d x^n)^q (e+f x^n)^r$.nb"
Rules 621-639: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.1 $(a+b x+c x^2)^p$.nb"
Rules 640-776: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.2 $(d+e x)^m (a+b x+c x^2)^p$.nb"
Rules 777-858: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.3 $(d+e x)^m (f+g x) (a+b x+c x^2)^p$.nb"
Rules 859-980: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.4 $(d+e x)^m (f+g x)^n (a+b x+c x^2)^p$.nb"
Rules 981-1011: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.5 $(a+b x+c x^2)^p (d+e x+f x^2)^q$.nb"
Rules 1012-1059: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.6 $(g+h x)^m (a+b x+c x^2)^p (d+e x+f x^2)^q$.nb"
Rules 1060-1101: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.7 $(a+b x+c x^2)^p (d+e x+f x^2)^q (A+B x+C x^2)$.nb"
Rules 1102-1120: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.1 $(a+b x^2+c x^4)^p$.nb"
Rules 1121-1156: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.2 $(d x)^m (a+b x^2+c x^4)^p$.nb"
Rules 1157-1256: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.3 $(d+e x^2)^q (a+b x^2+c x^4)^p$.nb"
Rules 1257-1353: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.4 $(f x)^m (d+e x^2)^q (a+b x^2+c x^4)^p$.nb"
Rules 1354-1365: "1 Algebraic functions\1.2 Trinomial products\1.2.3 General\1.2.3.1 $(a+b x^{n+c} x^{(2 n)})^p$.nb"
Rules 1366-1404: "1 Algebraic functions\1.2 Trinomial products\1.2.3 General\1.2.3.2 $(d x)^m (a+b x^{n+c} x^{(2 n)})^p$.nb"

Rules 1405-1475: "1 Algebraic functions\1.2 Trinomial products\1.2.3 General\1.2.3.3 $(d+e x^n)^q (a+b x^{n+c} x^{(2 n)})^p$.nb"

Rules 1476-1595: "1 Algebraic functions\1.2 Trinomial products\1.2.3 General\1.2.3.4 $(f x)^m (d+e x^n)^q (a+b x^{n+c} x^{(2 n)})^p$.nb"

Rules 1596-1622: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.7 $P(x) (a+b x)^m (c+d x)^n (e+f x)^p (g+h x)^q$.nb"

Rules 1623-1629: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.6 $P(x) (a+b x)^m (c+d x)^n (e+f x)^p$.nb"

Rules 1630-1637: "1 Algebraic functions\1.1 Binomial products\1.1.1 Linear\1.1.1.5 $P(x) (a+b x)^m (c+d x)^n$.nb"

Rules 1638-1670: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.9 $P(x) (d+e x)^m (a+b x+c x^2)^p$.nb"

Rules 1671-1675: "1 Algebraic functions\1.2 Trinomial products\1.2.1 Quadratic\1.2.1.8 $P(x) (a+b x+c x^2)^p$.nb"

Rules 1676-1684: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.6 $P(x) (d x)^m (a+b x^{2+c} x^4)^p$.nb"

Rules 1685-1694: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.5 $P(x) (a+b x^{2+c} x^4)^p$.nb"

Rules 1695-1737: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.7 $P(x) (d+e x^2)^q (a+b x^{2+c} x^4)^p$.nb"

Rules 1738-1758: "1 Algebraic functions\1.2 Trinomial products\1.2.2 Quartic\1.2.2.8 $P(x) (d+e x)^q (a+b x^{2+c} x^4)^p$.nb"

Rules 1759-1787: "1 Algebraic functions\1.2 Trinomial products\1.2.3 General\1.2.3.6 $P(x) (d x)^m (a+b x^{n+c} x^{(2 n)})^p$.nb"

Rules 1788-1812: "1 Algebraic functions\1.2 Trinomial products\1.2.3 General\1.2.3.5 $P(x) (a+b x^{n+c} x^{(2 n)})^p$.nb"

Rules 1813-1823: "1 Algebraic functions\1.1 Binomial products\1.1.2 Quadratic\1.1.2.y $P(x) (c x)^m (a+b x^2)^p$.nb"

Rules 1824-1829: "1 Algebraic functions\1.1 Binomial products\1.1.2 Quadratic\1.1.2.x $P(x) (a+b x^2)^p$.nb"

Rules 1830-1863: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.8 $P(x) (c x)^m (a+b x^n)^p$.nb"

Rules 1864-1914: "1 Algebraic functions\1.1 Binomial products\1.1.3 General\1.1.3.7 $P(x) (a+b x^n)^p$.nb"

Rules 1915-1924: "1 Algebraic functions\1.2 Trinomial products\1.2.4 Improper\1.2.4.1 $(a x^{q+b} x^{n+c} x^{(2 n-q)})^p$.nb"

Rules 1925-1945: "1 Algebraic functions\1.2 Trinomial products\1.2.4 Improper\1.2.4.2 $(d x)^m (a x^{q+b} x^{n+c} x^{(2 n-q)})^p$.nb"

Rules 1946-1953: "1 Algebraic functions\1.2 Trinomial products\1.2.4 Improper\1.2.4.3 $(d+e x^{(n-q)}) (a x^{q+b} x^{n+c} x^{(2 n-q)})^p$.nb"

Rules 1954-1969: "1 Algebraic functions\1.2 Trinomial products\1.2.4 Improper\1.2.4.4 $(f x)^m (d+e x^{(n-q)}) (a x^{q+b} x^{n+c} x^{(2 n-q)})^p$.nb"

Rules 1970-2024: "1 Algebraic functions\1.3 Miscellaneous\1.3.4 Normalizing algebraic functions.nb"

Rules 2025-2037: "1 Algebraic functions\1.1 Binomial products\1.1.4 Improper\1.1.4.1 $(a x^{j+b} x^n)^p$.nb"

Rules 2038-2058: "1 Algebraic functions\1.1 Binomial products\1.1.4 Improper\1.1.4.2 $(c x)^m (a x^{j+b} x^n)^p$.nb"

Rules 2059-2067: "1 Algebraic functions\1.1 Binomial products\1.1.4 Improper\1.1.4.3 $(e x)^m (a x^{j+b} x^k)^p (c+d x^n)^q$.nb"

Rules 2068-2078: "1 Algebraic functions\1.1 Binomial products\1.1.4 Improper\1.1.4.4 $P(x) (c x)^m (a x^{j+b} x^n)^p$.nb"

Rules 2079-2095: "1 Algebraic functions\1.3 Miscellaneous\1.3.1 $P(x)^p$.nb"

Rules 2096-2127: "1 Algebraic functions\1.3 Miscellaneous\1.3.2 $P(x) Q(x)^p$.nb"

Rules 2128-2187: "1 Algebraic functions\1.3 Miscellaneous\1.3.3 Miscellaneous algebraic functions.nb"

Rules 2188-2206: "9 Miscellaneous\9.3 Piecewise linear functions.nb"

Exponential function rules

Rules 2207-2220: "2 Exponentials\2.1 $(c+d x)^m (a+b (F^g (e+f x)))^n$ "
 $\wedge p.nb$

Rules 2221-2224: "2 Exponentials\2.2 $(c+d x)^m (F^g (e+f x))^n (a+b (F^g (e+f x)))^n$ "
 $\wedge p.nb$

Rules 2225-2331: "2 Exponentials\2.3 Miscellaneous exponentials.nb"

Logarithm function rules

Rules 2332-2337: "3 Logarithms\3.1.1 $(a+b \log(c x^n))^p$ "
 $\wedge p.nb$

Rules 2338-2349: "3 Logarithms\3.1.2 $(d x)^m (a+b \log(c x^n))^p$ "
 $\wedge p.nb$

Rules 2350-2369: "3 Logarithms\3.1.3 $(d+e x^r)^q (a+b \log(c x^n))^p$ "
 $\wedge p.nb$

Rules 2370-2398: "3 Logarithms\3.1.4 $(f x)^m (d+e x^r)^q (a+b \log(c x^n))^p$ "
 $\wedge p.nb$

Rules 2399-2435: "3 Logarithms\3.1.5 $u (a+b \log(c x^n))^p$ "
 $\wedge p.nb$

Rules 2436-2496: "3 Logarithms\3.3 $u (a+b \log(c (d+e x)^n))^p$ "
 $\wedge p.nb$

Rules 2497-2534: "3 Logarithms\3.4 $u (a+b \log(c (d+e x^m)^n))^p$ "
 $\wedge p.nb$

Rules 2535-2558: "3 Logarithms\3.2.1 $(f+g x)^m (A+B \log(e ((a+b x) \text{ over } (c+d x))^n))^p$ "
 $\wedge p.nb$

Rules 2559-2577: "3 Logarithms\3.2.2 $(f+g x)^m (h+i x)^q (A+B \log(e ((a+b x) \text{ over } (c+d x))^n))^p$ "
 $\wedge p.nb$

Rules 2578-2597: "3 Logarithms\3.2.3 $u \log(e (f (a+b x)^p (c+d x)^q)^r)$ "
 $\wedge s.nb$

Rules 2598-2641: "3 Logarithms\3.5 Miscellaneous logarithms.nb"

Trig function rules

Rules 2642-2668: "4 Trig functions\4.1 Sine\4.1.0.1 $(a \sin)^m (b \operatorname{trg})^n$ "
 $\wedge n.nb$

Rules 2669-2698: "4 Trig functions\4.1 Sine\4.1.0.2 $(a \operatorname{trg})^m (b \tan)^n$ "
 $\wedge n.nb$

Rules 2699-2712: "4 Trig functions\4.1 Sine\4.1.0.3 $(a \csc)^m (b \sec)^n$ "
 $\wedge n.nb$

Rules 2713-2745: "4 Trig functions\4.1 Sine\4.1.1.1 $(a+b \sin)^n$ "
 $\wedge n.nb$

Rules 2746-2784: "4 Trig functions\4.1 Sine\4.1.1.2 $(g \cos)^p (a+b \sin)^m$ "
 $\wedge m.nb$

Rules 2785-2812: "4 Trig functions\4.1 Sine\4.1.1.3 $(g \tan)^p (a+b \sin)^m$ "
 $\wedge m.nb$

Rules 2813-2911: "4 Trig functions\4.1 Sine\4.1.2.1 $(a+b \sin)^m (c+d \sin)^n$ "
 $\wedge n.nb$

Rules 2912-3006: "4 Trig functions\4.1 Sine\4.1.2.2 $(g \cos)^p (a+b \sin)^m (c+d \sin)^n$ "
 $\wedge n.nb$

Rules 3007-3044: "4 Trig functions\4.1 Sine\4.1.2.3 $(g \sin)^p (a+b \sin)^m (c+d \sin)^n$ "
 $\wedge n.nb$

Rules 3045-3088: "4 Trig functions\4.1 Sine\4.1.3.1 (a+b sin)^m (c+d sin)ⁿ (A+B sin).nb"
 Rules 3089-3107: "4 Trig functions\4.1 Sine\4.1.4.1 (a+b sin)^m (A+B sin+C sin²).nb"
 Rules 3108-3149: "4 Trig functions\4.1 Sine\4.1.4.2 (a+b sin)^m (c+d sin)ⁿ (A+B sin+C sin²).nb"
 Rules 3150-3190: "4 Trig functions\4.1 Sine\4.1.5 trig^m (a cos+b sin)ⁿ.nb"
 Rules 3191-3247: "4 Trig functions\4.1 Sine\4.1.6 (a+b cos+c sin)ⁿ.nb"
 Rules 3248-3320: "4 Trig functions\4.1 Sine\4.1.7 (d trig)^m (a+b (c sin)ⁿ)^p.nb"
 Rules 3321-3324: "4 Trig functions\4.1 Sine\4.1.8 trig^m (a+b cos^p+c sin^q)ⁿ.nb"
 Rules 3325-3376: "4 Trig functions\4.1 Sine\4.1.9 trig^m (a+b sinⁿ+c sin^(2 n))^p.nb"
 Rules 3377-3409: "4 Trig functions\4.1 Sine\4.1.10 (c+d x)^m (a+b sin)ⁿ.nb"
 Rules 3410-3431: "4 Trig functions\4.1 Sine\4.1.11 (e x)^m (a+b xⁿ)^p sin.nb"
 Rules 3432-3525: "4 Trig functions\4.1 Sine\4.1.12 (e x)^m (a+b sin(c+d xⁿ))^p.nb"
 Rules 3526-3553: "4 Trig functions\4.1 Sine\4.1.13 (d+e x)^m sin(a+b x+c x²)ⁿ.nb"
 Rules 3554-3566: "4 Trig functions\4.3 Tangent\4.3.1.1 (a+b tan)ⁿ.nb"
 Rules 3567-3596: "4 Trig functions\4.3 Tangent\4.3.1.2 (d sec)^m (a+b tan)ⁿ.nb"
 Rules 3597-3602: "4 Trig functions\4.3 Tangent\4.3.1.3 (d sin)^m (a+b tan)ⁿ.nb"
 Rules 3603-3660: "4 Trig functions\4.3 Tangent\4.3.2.1 (a+b tan)^m (c+d tan)ⁿ.nb"
 Rules 3661-3668: "4 Trig functions\4.3 Tangent\4.3.2.3 (g tan)^p (a+b tan)^m (c+d tan)ⁿ.nb"
 Rules 3669-3697: "4 Trig functions\4.3 Tangent\4.3.3.1 (a+b tan)^m (c+d tan)ⁿ (A+B tan).nb"
 Rules 3698-3712: "4 Trig functions\4.3 Tangent\4.3.4.1 (a+b tan)^m (A+B tan+C tan²).nb"
 Rules 3713-3737: "4 Trig functions\4.3 Tangent\4.3.4.2 (a+b tan)^m (c+d tan)ⁿ (A+B tan+C tan²).nb"
 Rules 3738-3762: "4 Trig functions\4.3 Tangent\4.3.7 (d trig)^m (a+b (c tan)ⁿ)^p.nb"
 Rules 3763-3796: "4 Trig functions\4.3 Tangent\4.3.9 trig^m (a+b tanⁿ+c tan^(2 n))^p.nb"
 Rules 3797-3823: "4 Trig functions\4.3 Tangent\4.3.10 (c+d x)^m (a+b tan)ⁿ.nb"
 Rules 3824-3843: "4 Trig functions\4.3 Tangent\4.3.11 (e x)^m (a+b tan(c+d xⁿ))^p.nb"
 Rules 3844-3851: "4 Trig functions\4.3 Tangent\4.3.12 (d+e x)^m tan(a+b x+c x²)ⁿ.nb"
 Rules 3852-3871: "4 Trig functions\4.5 Secant\4.5.1.1 (a+b sec)ⁿ.nb"
 Rules 3872-3956: "4 Trig functions\4.5 Secant\4.5.1.2 (d sec)ⁿ (a+b sec)^m.nb"
 Rules 3957-3963: "4 Trig functions\4.5 Secant\4.5.1.3 (d sin)ⁿ (a+b sec)^m.nb"
 Rules 3964-3987: "4 Trig functions\4.5 Secant\4.5.1.4 (d tan)ⁿ (a+b sec)^m.nb"
 Rules 3988-4034: "4 Trig functions\4.5 Secant\4.5.2.1 (a+b sec)^m (c+d sec)ⁿ.nb"

Rules 4035-4080: "4 Trig functions\4.5 Secant\4.5.2.2 (g sec)^p (a+b sec)^m (c+d sec)ⁿ.nb"
Rules 4081-4125: "4 Trig functions\4.5 Secant\4.5.3.1 (a+b sec)^m (d sec)ⁿ (A+B sec).nb"
Rules 4126-4156: "4 Trig functions\4.5 Secant\4.5.4.1 (a+b sec)^m (A+B sec+C sec²).nb"
Rules 4157-4204: "4 Trig functions\4.5 Secant\4.5.4.2 (a+b sec)^m (d sec)ⁿ (A+B sec+C sec²).nb"
Rules 4205-4236: "4 Trig functions\4.5 Secant\4.5.7 (d trig)^m (a+b (c sec)ⁿ)^p.nb"
Rules 4237-4264: "4 Trig functions\4.5 Secant\4.5.9 trig^m (a+b sec^{n+c} sec^(2 n))^p.nb"
Rules 4265-4280: "4 Trig functions\4.5 Secant\4.5.10 (c+d x)^m (a+b sec)ⁿ.nb"
Rules 4281-4298: "4 Trig functions\4.5 Secant\4.5.11 (e x)^m (a+b sec(c+d xⁿ))^p.nb"
Rules 4299-4323: "4 Trig functions\4.7 Miscellaneous\4.7.1 Sine normalization rules.nb"
Rules 4324-4342: "4 Trig functions\4.7 Miscellaneous\4.7.2 Tangent normalization rules.nb"
Rules 4343-4366: "4 Trig functions\4.7 Miscellaneous\4.7.3 Secant normalization rules.nb"
Rules 4367-4416: "4 Trig functions\4.7 Miscellaneous\4.7.4 (c trig)^m (d trig)ⁿ.nb"
Rules 4417-4488: "4 Trig functions\4.7 Miscellaneous\4.7.5 Inert trig functions.nb"
Rules 4489-4516: "4 Trig functions\4.7 Miscellaneous\4.7.6 (c+d x)^m trig(a+b x)ⁿ trig(a+b x)^p.nb"
Rules 4517-4559: "4 Trig functions\4.7 Miscellaneous\4.7.7 F^(c (a+b x)) trig(d+e x)ⁿ.nb"
Rules 4560-4607: "4 Trig functions\4.7 Miscellaneous\4.7.8 u trig(a+b log(c xⁿ))^p.nb"
Rules 4608-4711: "4 Trig functions\4.7 Miscellaneous\4.7.9 Active trig functions.nb"

Inverse trig function rules

Rules 4712-4717: "5 Inverse trig functions\5.1 Inverse sine\5.1.1 $(a+b \arcsin(c x))^n$.nb"

Rules 4718-4731: "5 Inverse trig functions\5.1 Inverse sine\5.1.2 $(d x)^m (a+b \arcsin(c x))^n$.nb"

Rules 4732-4761: "5 Inverse trig functions\5.1 Inverse sine\5.1.3 $(d+e x^2)^p (a+b \arcsin(c x))^n$.nb"

Rules 4762-4821: "5 Inverse trig functions\5.1 Inverse sine\5.1.4 $(f x)^m (d+e x^2)^p (a+b \arcsin(c x))^n$.nb"

Rules 4822-4883: "5 Inverse trig functions\5.1 Inverse sine\5.1.5 $u (a+b \arcsin(c x))^n$.nb"

Rules 4884-4926: "5 Inverse trig functions\5.1 Inverse sine\5.1.6 Miscellaneous inverse sine.nb"

Rules 4927-4936: "5 Inverse trig functions\5.3 Inverse tangent\5.3.1 $(a+b \arctan(c x^n))^p$.nb"

Rules 4937-4960: "5 Inverse trig functions\5.3 Inverse tangent\5.3.2 $(d x)^m (a+b \arctan(c x^n))^p$.nb"

Rules 4961-4982: "5 Inverse trig functions\5.3 Inverse tangent\5.3.3 $(d+e x)^m (a+b \arctan(c x^n))^p$.nb"

Rules 4983-5143: "5 Inverse trig functions\5.3 Inverse tangent\5.3.4 $u (a+b \arctan(c x))^p$.nb"

Rules 5144-5163: "5 Inverse trig functions\5.3 Inverse tangent\5.3.5 $u (a+b \arctan(c+d x))^p$.nb"

Rules 5164-5239: "5 Inverse trig functions\5.3 Inverse tangent\5.3.6 Exponentials of inverse tangent.nb"

Rules 5240-5318: "5 Inverse trig functions\5.3 Inverse tangent\5.3.7 Miscellaneous inverse tangent.nb"

Rules 5319-5354: "5 Inverse trig functions\5.5 Inverse secant\5.5.1 $u (a+b \operatorname{arcsec}(c x))^n$.nb"

Rules 5355-5378: "5 Inverse trig functions\5.5 Inverse secant\5.5.2 Miscellaneous inverse secant.nb"

Hyperbolic function rules

Rules 5379-5380: "6 Hyperbolic functions\6.1 Hyperbolic sine\6.1.10 $(c+d x)^m (a+b \sinh)^n$.nb"

Rules 5381-5402: "6 Hyperbolic functions\6.1 Hyperbolic sine\6.1.11 $(e x)^m (a+b x^n)^p$ \sinh .nb"

Rules 5403-5478: "6 Hyperbolic functions\6.1 Hyperbolic sine\6.1.12 $(e x)^m (a+b \sinh(c+d x^n))^p$.nb"

Rules 5479-5502: "6 Hyperbolic functions\6.1 Hyperbolic sine\6.1.13 $(d+e x)^m \sinh(a+b x+c x^2)^n$.nb"

Rules 5503-5504: "6 Hyperbolic functions\6.3 Hyperbolic tangent\6.3.10 $(c+d x)^m (a+b \tanh)^n$.nb"

Rules 5505-5524: "6 Hyperbolic functions\6.3 Hyperbolic tangent\6.3.11 $(e x)^m (a+b \tanh(c+d x^n))^p$.nb"

Rules 5525-5530: "6 Hyperbolic functions\6.3 Hyperbolic tangent\6.3.12 $(d+e x)^m \tanh(a+b x+c x^2)^n$.nb"

Rules 5531-5532: "6 Hyperbolic functions\6.5 Hyperbolic secant\6.5.10 $(c+d x)^m (a+b \operatorname{sech})^n$.nb"

Rules 5533-5550: "6 Hyperbolic functions\6.5 Hyperbolic secant\6.5.11 $(e x)^m (a+b \operatorname{sech}(c+d x^n))^p$.nb"

Rules 5551-5578: "6 Hyperbolic functions\6.7 Miscellaneous\6.7.6 $(c+d x)^m \operatorname{hyper}(a+b x)^n \operatorname{hyper}(a+b x)^p$.nb"

Rules 5579-5619: "6 Hyperbolic functions\6.7 Miscellaneous\6.7.7 $F^c (a+b x)$ $\operatorname{hyper}(d+e x)^n$.nb"

Rules 5620-5669: "6 Hyperbolic functions\6.7 Miscellaneous\6.7.8 $u \operatorname{hyper}(a+b \log(c x^n))^p$.nb"

Rules 5670-5765: "6 Hyperbolic functions\6.7 Miscellaneous\6.7.9 Active hyperbolic functions.nb"

Inverse Hyperbolic function rules

Rules 5766-5768: "7 Inverse hyperbolic functions\7.1 Inverse hyperbolic sine\7.1.1 $(a+b \operatorname{arcsinh}(c x))^n$.nb"

Rules 5769-5775: "7 Inverse hyperbolic functions\7.1 Inverse hyperbolic sine\7.1.2 $(d x)^m (a+b \operatorname{arcsinh}(c x))^n$.nb"

Rules 5776-5790: "7 Inverse hyperbolic functions\7.1 Inverse hyperbolic sine\7.1.3 $(d+e x^2)^p (a+b \operatorname{arcsinh}(c x))^n$.nb"

Rules 5791-5820: "7 Inverse hyperbolic functions\7.1 Inverse hyperbolic sine\7.1.4 $(f x)^m (d+e x^2)^p (a+b \operatorname{arcsinh}(c x))^n$.nb"

Rules 5821-5851: "7 Inverse hyperbolic functions\7.1 Inverse hyperbolic sine\7.1.5 $u (a+b \operatorname{arcsinh}(c x))^n$.nb"

Rules 5852-5872: "7 Inverse hyperbolic functions\7.1 Inverse hyperbolic sine\7.1.6 Miscellaneous inverse hyperbolic sine.nb"

Rules 5873-5875: "7 Inverse hyperbolic functions\7.2 Inverse hyperbolic cosine\7.2.1 $(a+b \operatorname{arccosh}(c x))^n$.nb"

Rules 5876-5882: "7 Inverse hyperbolic functions\7.2 Inverse hyperbolic cosine\7.2.2 $(d x)^m (a+b \operatorname{arccosh}(c x))^n$.nb"

Rules 5883-5905: "7 Inverse hyperbolic functions\7.2 Inverse hyperbolic cosine\7.2.3 $(d+e x^2)^p (a+b \operatorname{arccosh}(c x))^n$.nb"

Rules 5906-5955: "7 Inverse hyperbolic functions\7.2 Inverse hyperbolic cosine\7.2.4 $(f x)^m (d+e x^2)^p (a+b \operatorname{arccosh}(c x))^n$.nb"

Rules 5956-5988: "7 Inverse hyperbolic functions\7.2 Inverse hyperbolic cosine\7.2.5 $u (a+b \operatorname{arccosh}(c x))^n$.nb"

Rules 5989-6014: "7 Inverse hyperbolic functions\7.2 Inverse hyperbolic cosine\7.2.6 Miscellaneous inverse hyperbolic cosine.nb"

Rules 6015-6024: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.1 $(a+b \operatorname{arctanh}(c x^n))^p$.nb"

Rules 6025-6048: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.2 $(d x)^m (a+b \operatorname{arctanh}(c x^n))^p$.nb"

Rules 6049-6070: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.3 $(d+e x)^m (a+b \operatorname{arctanh}(c x^n))^p$.nb"

Rules 6071-6231: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.4 $u (a+b \operatorname{arctanh}(c x))^p$.nb"

Rules 6232-6251: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.5 $u (a+b \operatorname{arctanh}(c+d x))^p$.nb"

Rules 6252-6333: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.6 Exponentials of inverse hyperbolic tangent.nb"

Rules 6334-6405: "7 Inverse hyperbolic functions\7.3 Inverse hyperbolic tangent\7.3.7 Miscellaneous inverse hyperbolic tangent.nb"

Rules 6406-6441: "7 Inverse hyperbolic functions\7.5 Inverse hyperbolic secant\7.5.1 $u (a+b \operatorname{arcsech}(c x))^n$.nb"

Rules 6442-6477: "7 Inverse hyperbolic functions\7.5 Inverse hyperbolic secant\7.5.2 Miscellaneous inverse hyperbolic secant.nb"

Special function rules

Rules 6478-6546: "8 Special functions\8.1 Error functions.nb"
Rules 6547-6601: "8 Special functions\8.2 Fresnel integral functions.nb"
Rules 6602-6627: "8 Special functions\8.3 Exponential integral functions.nb"
Rules 6628-6656: "8 Special functions\8.4 Trig integral functions.nb"
Rules 6657-6685: "8 Special functions\8.5 Hyperbolic integral functions.nb"
Rules 6686-6709: "8 Special functions\8.6 Gamma functions.nb"
Rules 6710-6714: "8 Special functions\8.7 Zeta function.nb"
Rules 6715-6740: "8 Special functions\8.8 Polylogarithm function.nb"
Rules 6741-6784: "8 Special functions\8.9 Product logarithm function.nb"

Miscellaneous rules

Rules 6785-6805: "9 Miscellaneous\9.2 Derivative integration rules.nb"
Rules 6806-6872: "9 Miscellaneous\9.4 Miscellaneous integration rules.nb"