

(%i2) ratsimp((((4·x⁴+x⁵−81·x−324)/(3·x⁴+10·x³−81·x−270))·((3·x³+19·x²+57·x+90)/(x⁴+7·x³+21·x²+63·x+108))));

(%o2) 1

(%i4) ratsimp(9·(x−1)²·(x+2)³);

(%o4) $9x^5 + 36x^4 + 9x^3 - 90x^2 - 36x + 72$

(%i5) factor(9·x⁵+36·x⁴+9·x³−90·x²−36·x+72);

(%o5) $9(x - 1)^2 (x + 2)^3$

--> wxplot2d([sin(x)·√(81−x²),5·atan(x)], [x,−5,5]);

(%i6) wxplot2d([sin(x)·√(81−x²),5·atan(x)], [x,−5,5])\$

(%t6)

(Graphics)

