Rubi 3 Test Suite Results

Rational Function Indefinite Integration Problems

Unable to integrate:

$$\left\{ \frac{-3 + 10 \times + 4 \times^{3} - 30 \times^{5}}{\left(3 + x + x^{4}\right)^{3}} - \frac{3 \left(1 + 4 \times^{3}\right) \left(2 - 3 \times + 5 \times^{2} + x^{4} - 5 \times^{6}\right)}{\left(3 + x + x^{4}\right)^{4}}, \, x, \, -13, \, 13 \right\}$$

$$\frac{2 - 3 \times + 5 \times^{2} + x^{4} - 5 \times^{6}}{\left(3 + x + x^{4}\right)^{3}} - \frac{63 \times}{\left(3 + x + x^{4}\right)^{3}} - \frac{12 \times^{2}}{\left(3 + x + x^{4}\right)^{3}} - \frac{5 \times^{3}}{\left(3 + x + x^{4}\right)^{3}} + \frac{3 \times^{4}}{2 \left(3 + x + x^{4}\right)^{3}} - \frac{10 \times^{6}}{\left(3 + x + x^{4}\right)^{2}} - \frac{1}{2 \left(3 + x + x^{4}\right)^{2}} + \frac{5 \times^{2}}{\left(3 + x + x^{4}\right)^{2}} + \frac{144}{11} \operatorname{Int} \left[\frac{1}{\left(3 + x + x^{4}\right)^{4}}, \, x\right] + \frac{828}{11} \operatorname{Int} \left[\frac{x}{\left(3 + x + x^{4}\right)^{4}}, \, x\right] + 18 \operatorname{Int} \left[\frac{x^{2}}{\left(3 + x + x^{4}\right)^{4}}, \, x\right] - 4 \operatorname{Int} \left[\frac{1}{\left(3 + x + x^{4}\right)^{3}}, \, x\right] - 20 \operatorname{Int} \left[\frac{x}{\left(3 + x + x^{4}\right)^{3}}, \, x\right]$$