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Unlock Step-by-Step



 $solve{(1/2)(y^2-2xy-1.75)+(4/30)(x^3)==0,(1/2)(2xy-x^2+2)+(4/30)(y^3)==0}$



 $\int_{\Sigma^{a}}^{\pi}$ Extended Keyboard

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Examples

Random

Input interpretation:

$$\frac{1}{2}(y^2 - 2xy - 1.75) + \frac{4}{30}x^3 = 0$$
solve
$$\frac{1}{2}(2xy - x^2 + 2) + \frac{4}{30}y^3 = 0$$

Results:

Fewer roots

Enlarge

More roots

Customize | A Plain Text

More digits

 $x \approx -11.1949$

 $x \approx -1.19982$

 $x \approx -0.879504$

 $x \approx 0.884098$

 $x \approx 2.98781$

 $x \approx -0.160824 - 1.204637 i$

 $x \approx -0.160824 + 1.204637 i$

 $x \approx 4.86199 - 5.88111 i$

 $x \approx 4.86199 + 5.88111 i$

 $y \approx 11.1929$

 $y \approx -3.11036$

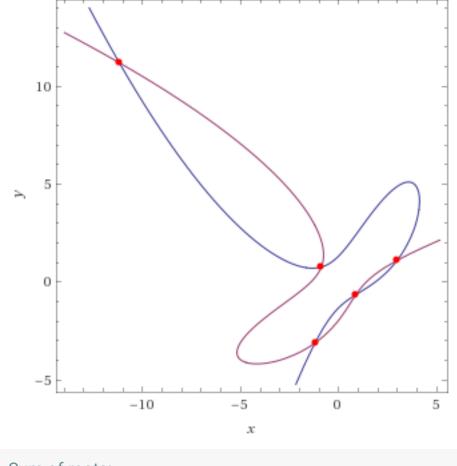
 $y \approx 0.765168$

 $y \approx -0.648009$

 $y \approx 1.09984$

 $y \approx 0.218827 - 1.275450 i$

Implicit plot:



$$\frac{2x^3}{15} + \frac{1}{2}(-2xy+y^2-1.75) = 0$$

$$\frac{1}{2}(-x^2+2xy+2) + \frac{2y^3}{15} = 0$$

Sum of roots:

0

Product of roots:

1

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Related Queries:

= integral $(1/2 (2 \times y - x^2 + 2) + (4 y^3)/30) dx$ = series of $(1/2 (2 \times y - x^2 + 2) + (4 y^3)/30) wrt y$

= manipulate c in $1/2 (2 \times y - x^2 + 2) + (4 y^3)/30...$ = $d^2/dy^2 (1/2 (2 \times y - x^2 + 2) + (4 y^3)/30)$

= integral $(1/2 (2 \times y - x^2 + 2) + (4 y^3)/30) dy$



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