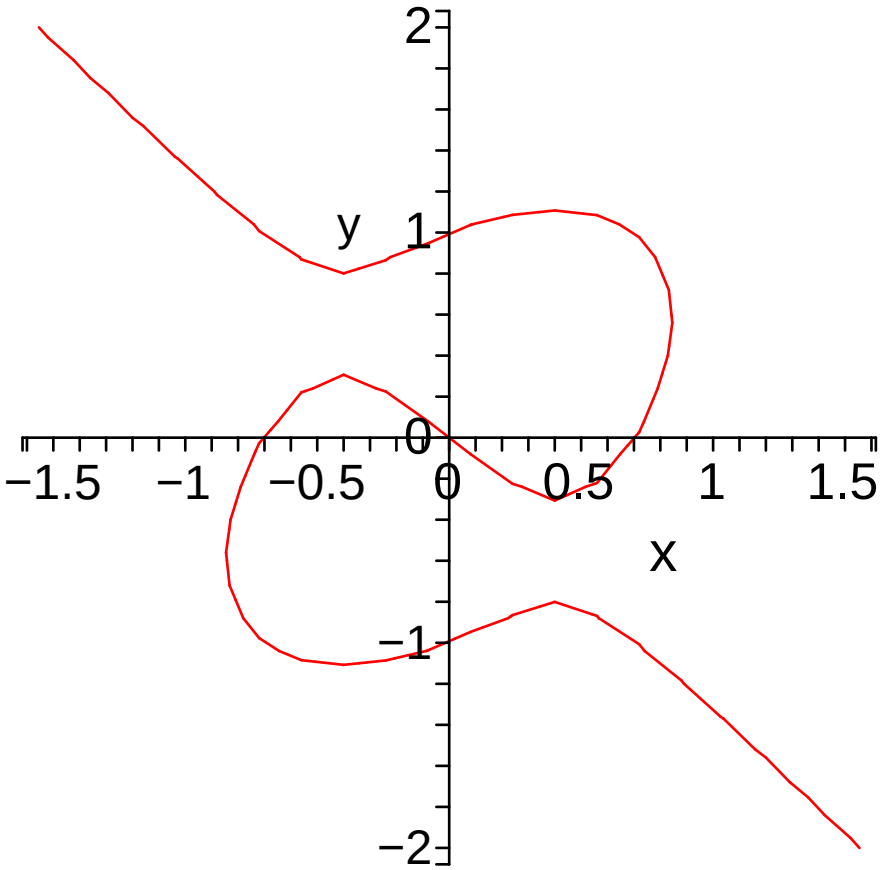
```
> restart;
> with(plots):
Warning, the name changecoords has been redefined
> eq1:=y^3-y=x-2*x^3;
```

$$eq1 := y^3 - y = x - 2\,x^3$$

```
> contourplot(lhs(eq1)-rhs(eq1),x=-2..2,y=-2..2,contours=[0]);
```




```
> eq2:=subs(x=0.5,eq1);
```

$$eq2 := y^3 - y = 0.250$$

```
> solve(eq2,y);
```

$$-0.8375654353,\ -0.2695944364,\ 1.107159872$$

```
> x0:=0.5;
  y0:=-.2695944364;
```

$$x0 := 0.5$$

$$y0 := -0.2695944364$$

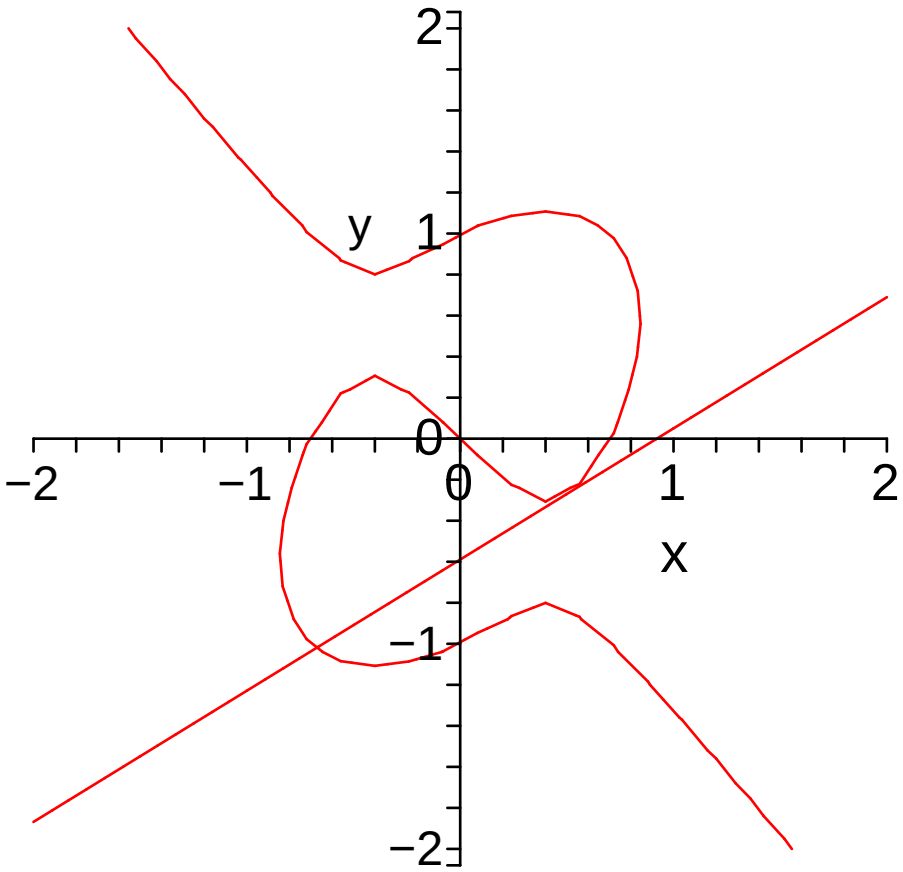
```
> m:=(1-6*x0^2)/(3*y0^2-1);
```

$$m := 0.6394217421$$

```
> line:=m*(x-x0)+y0;
```

$$line := 0.6394217421\,x - 0.5893053074$$

```
> P1:=contourplot(lhs(eq1)-rhs(eq1),x=-2..2,y=-2..2,contours=[0]):
> P2:=plot(line,x=-2..2):
> display(P1,P2);
```




```
>
```