

Using the general formula for a conic .of  $Ax^2+Bxy+C^2+Dx+Ey+f=0$  My OU number is Y362220X, hence the last non zero digit is 2, therefore B=2.

```
(% i1) conic:-2*x^ 2+2*x*y+3*y^ 2-x+3*y-5=0;
```

```
(conic) 3y^2 + 2xy + 3y - 2x^2 - x - 5 = 0
```

Drawing the graph of this conic

```
(% i3) load("draw")$
      draw2d(
      implicit(
      conic,
      x, -5, 5,
      y, -5, 5
      )
      );
```

```
(% o3)
```

```
[gr2d (implicit)] qt.qpa.fonts : Populating font family aliases took 107ms. Replace uses of missing font family" S
```

```
Warning: slow font initialization2025-03-03 09:38:42.161 gnuplot_
qt[5615:55353974] +[IMKClient subclass]: chose IMKClient_ Modern
```

```
2025-03-03 09 : 38 : 42.161gnuplot _qt[5615 : 55353974]+[IMKInputSessionsubclass] : choseIMKInputSes.
```