

A demo of Maxima2.lua

<http://anggtwu.net/eev-qdraw.html>

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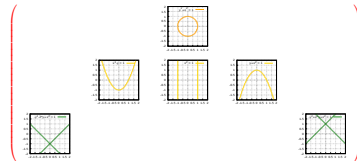
Some conics

```
(%i1) [xmin,ymin, xmax,ymax] : [-2,-2, 2,2]$
(%i2) [color[-2], color[-1], color[0], color[1], color[2]] :
      [blue, forest_green, gold, orange, red]$
(%i3) arrayinfo(color);
(%o3)
[hashed, 1, [-2], [-1], [0], [1], [2]]

(%i4) conic (a,b) := (x^2 + a*y + b*y^2 = 1)$
(%i5) draw_abck(a,b,c) := myimpl(conic(a,b), lc(color[c]), lk(conic(a,b)))$
(%i6) draw_abc (a,b,c) := myimpl(conic(a,b), lc(color[c]))$
(%i7) draw_abk (a,b) := draw_abck(a,b,b)$
(%i8) draw_ab (a,b) := draw_abc (a,b,b)$
(%i9) draw_a (a) := makelist(draw_ab(a,b), b, [2,1,0,-1,-2])$
(%i10) makeM1() := matrix([
      "", "", f(0,1), "", ""],
      [f(-1,0), f(0,0), f(1,0)],
      [f(-2,-1), "", "", f(2,-1)])$
(%i11) makeM2() := matrix([g(-2), g(-1), g(0), g(1), g(2) ])$
(%i12) f(a,b) := myqdrawp(xyrange(), draw_abk(a,b))$
(%i13) g(a) := myqdrawp(xyrange(), draw_a(a))$
(%i14) M1 := makeM1()$
(%i15) M2 := makeM2()$
(%i16) stringdisp : false$
```

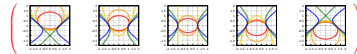
```
(%i17) M1;
```

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(%o17)
```



```
(%i18) M2;
```

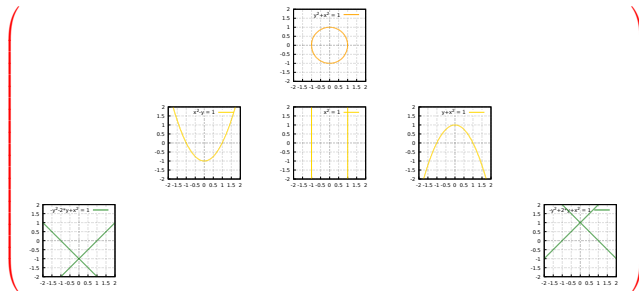
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(%o18)
```



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(%i19)
```

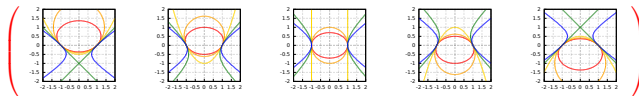
(%i17) M1;

(%o17)



(%i18) M2;

(%o18)



(%i19)