

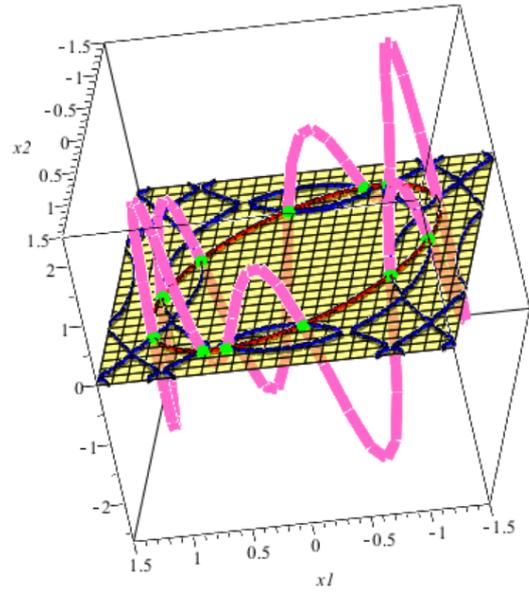
Draghilev's method

$$f1(x, y) := x^2 - y \cdot x + y^2 - 1$$

$$f2(x, y) := \sin(5 \cdot x^2) + \sin(4 \cdot y^2)$$

$$F(X) := \begin{bmatrix} x := X_1 & y := X_2 \\ f1(x, y) \\ f2(x, y) \end{bmatrix}$$

appVersion(4) = "0.99.6858.3232"

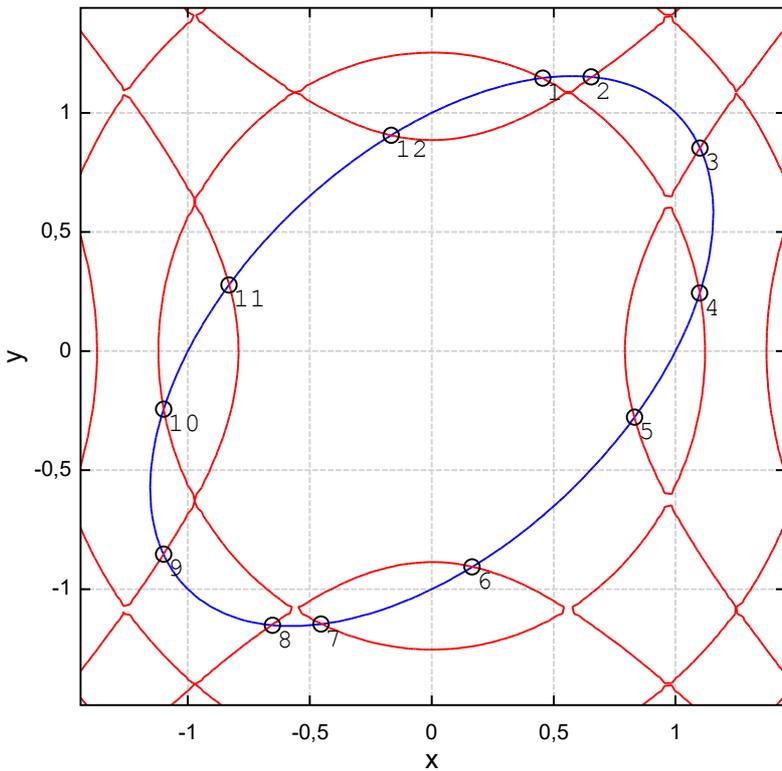


```
X0 := stack(0, 1)      t_min := 0      t_max := 1.6 * pi
result := Draghilev(F(X), X0, t_min, t_max, N)
```

N := 100

```
XY := result[1..k][1..2]
```

```
k := rows(result)      k = 12
for m in [1..k] for m in [1..k]
  o_o_m := "o"         o_#_m := num2str(m)
```



$$XY = \begin{bmatrix} 0.4552 & 1.1463 \\ 0.6541 & 1.1508 \\ 1.1002 & 0.8526 \\ 1.0989 & 0.244 \\ 0.8316 & -0.2772 \\ 0.1656 & -0.9063 \\ -0.4547 & -1.1462 \\ -0.6531 & -1.1508 \\ -1.1002 & -0.8529 \\ -1.099 & -0.2439 \\ -0.8312 & 0.2782 \\ -0.1663 & 0.9061 \end{bmatrix}$$

```
{ f1(x, y)
  f2(x, y)
  augment(XY, o_o)
  augment(XY, o_#)
```