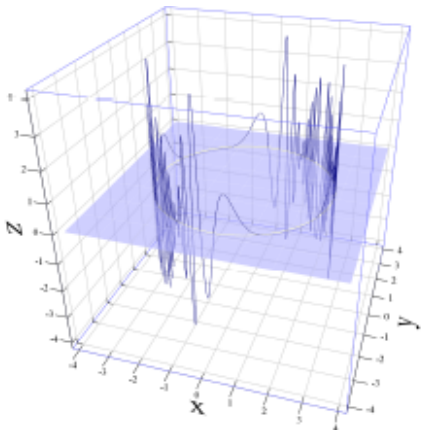
Draghilev's method. Examples. Viacheslav N. Mezentsev, viacheslavmezentsev@ya.ru

Draghilev's method

$appVersion(4) = "0.99.6858.3232"$

$$F(X) := \begin{bmatrix} x := X_1 & y := X_2 \end{bmatrix} \\ \begin{bmatrix} x^2 + y^2 - 8 \\ \sin(x \cdot y) \cdot \sin(\exp(x \cdot y)) \end{bmatrix}$$



$X_0 := stack(2.784, -0.5)$ $t_{min} := 0$ $t_{max} := 13$ $N := 500$

$result := Draghilev(F(X), X_0, t_{min}, t_{max}, N)$

$k := rows(result)$ $k = 80$

$XY := result_{[1..k][1..2]}$

for $m \in [1..k]$ for $m \in [1..k]$

$o\_O_m := "o"$ $o\_\#_m := num2str(m)$