

# Global minimization report

Function:  $f(x) = \sin(3\pi x)^2 + (x-1)^2(1 + \sin(2\pi x)^2)$

Interval:  $[-10, 10]$

Requested accuracy eps: 0.01

Used Lipschitz constant L (estimate): 29.008139140277788

Found approximate minimizer:

$x_{\min} \approx 1.0000883522634698$

$f(x_{\min}) \approx 7.011960299017617e-07$

Iterations: 101

Time elapsed: 0.0435 s



