To demonstrate the effectiveness of the SNN algorithms and to analyze the performance of the SNN networks, Benchmark functions were selected from the standard dataset "Benchmarks" for regression, including “ackley”, “adjiman”, “bird” and so on, as shown as follow.

Website:

[https://github.com/mazhar-ansari-ardeh/Benchmarks](https://github.com/mazhar-ansari-ardeh/BenchmarkFcns)

<http://benchmarkfcns.xyz>

# References

[1] M.A. Ardeh, Benchmark s from [https://github.com/mazhar-ansari-ardeh/Benchmarks](https://github.com/mazhar-ansari-ardeh/BenchmarkFcns), 2016.

# Benchmarks：

**ackley :**



**ackleyn2 :**



**ackleyn3 :**



**adjiman :**



**alpinen1 :**



**alpinen2 :**



**bartelsconn :**



**beale :**



**bird :**



**bohachevskyn1 :**



**bohachevskyn2 :**



**booth :**



**brent :**



**brown :**



**bukinn6 :**



**crossintray :**



**deckkersaarts :**



**dropwave :**



**easom :**



**eggcrate :**



**exponential :**



**goldsteinprice :**



**gramacylacy :**



**griewank :**



**happycat :**



**himmelblau :**



**holdertable :**



**keane :**



**leon :**



**levin13 :**



**matyas :**



**mccormick :**



**periodic :**



**powellsum :**



**qing :**



**quartic :**



**rastrigin :**



**ridge :**



**rosenbrock :**



f(x, y)=\sum\_{i=1}^{n}[b (x\_{i+1} - x\_i^2)^ 2 + (a - x\_i)^2]

**salomon :**



**schaffern1 :**





**schaffern2 :**



**schaffern3 :**



**schaffern4 :**



**schwefel220 :**



**schwefel221 :**



**schwefel222 :**



**schwefel223 :**



**schwefel :**



Matlab:

**shubert3 :**



**shubert4 :**



**shubert :**



**sphere :**



**styblinskitank :**



**sumsquares :**



**threehumpcamel :**



**wolfe :**



**xinsheyangn1 :**



**xinsheyangn2 :**



**xinsheyangn3 :**



**xinsheyangn4 :**



**zakharov :**

