

set (x^*, y^*) as the global minimum

Create the set T , using samples from S

TRAIN the RBF network R on T

iter=0

Create the set T_R by sampling from R

Sort T_R

$i=1$

take the sample (x_i, y_i) from T_R

$y_i = LS(x_i)$

Add the sample (x_i, y_i) to T

Train network R on T again

YES
NO
 $y_i < y^*$

$x^* = x_i, y^* = y_i$

Check termination criteria

Terminate and report (x^*, y^*)

$i = i + 1$

YES
NO
 $i \leq N_T$

iter=iter+1

