HILL – CLIMBING ALGORITHM

Gradientní ("hill–climbing") algoritmus zapsaný v PseudoPascalu:

X := náhodně vygenerovaný vektor;

$time \ := \ 0;\ \ f_{min} \ := \ \infty;$

while $time \ < \ time_{max}$ **do**

  begin $time \ := \ time \ + \ 1;$

    $f\,(X^*) \ := \min\limits_{X' \in U(X)} f\,(X');$

    if $f\,(X^*) \ < \ f_{min}$ **then**

      begin $f_{min} \ := \ f\,(X^*);$

           $X_{min} \ := \ X^*$

      end;

    $X \ := \ X^*$

  end;