NACA 0012
U_mag = 135 m/s

tgt: find Alpha such that -Cl^3/Cd^2 is maximize
differntly from the previus testcase, the quantity minimize here are
derived from the corrected quantity, the case aim to test the robustness
of the correction

description: pressure distribution is used to correct the course model
from the pressure distribution is possible to compute the
max suction of the airfoil and the aero coefficient,the optimization aim to find the
condition in which the fitness function is minize
without exceeding the Valarezo condition

- the course solver uses Hess-Smith to compute the pressure distribution P_HS
- the fine solver uses Xfoil in viscous configuration to compute P_XF
- the course method is corrected through a linear operator such that:
  P_HS_corr(x) = P_XF(x_c) + Skf*(P_HS(x) - P_HS(x_c));

Optimization Cycle X = alpha