NACA 0012
U_mag = 135 m/s

tgt: find Alpha such that Valarezo condition of max lift is met
description: pressure distribution is used to correct the course model
from the pressure distribution is possible to compute the
max suction of the airfoil, the optimization aim to find the
condition in which the suction is closest to the value of -14
without exceeding it

- 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