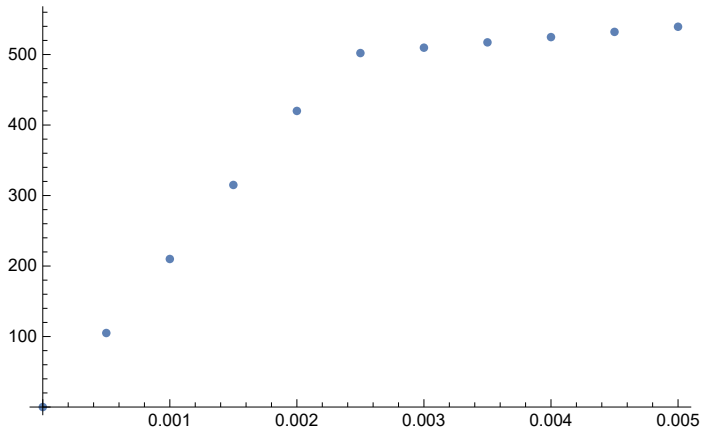
```
Off[FindRoot::lstol]

Abs'[x_] := Sign[x]

EMod = 210 000;
Y0 = 500;
HMod = 10 000 000.;

fNCP[ε_, pn_, αn_, Δλ_] :=
 Min[-(Abs[EMod (ε - pn - Δλ Abs[EMod (ε - pn)])] - (Y0 + HMod (αn + Δλ))), Δλ]

𝒟 = {};

ρ = 1;

Do[
 Do[
  pn = 0;
  αn = 0;
  Δε = 0.0001;
  εmax = imax Δε;
  εend = iend Δε;
  εn = Join[Range[0, εmax, εmax/10],
    If[εend == εmax, {}, Drop[Reverse[Range[εend, εmax, (εmax - εend)/10]], 1]]];
  σεL = {};
  Do[
   sol = FindRoot[fNCP[εn[[loadstep]], pn, αn, Δλ] == 0, {Δλ, 0}];
   pnp1 = pn + (Δλ /. sol) Abs[EMod (εn[[loadstep]] - pn)];
   σnp1 = EMod (εn[[loadstep]] - pnp1);
   σεL = Join[σεL, {{εn[[loadstep]], σnp1}}];
   αnp1 = αn + (Δλ /. sol);
   pn = pnp1;
   αn = αnp1;
   loadstep++;
   , {loadstep, 1, Length[εn]}];
  𝒟 = Join[𝒟, {{ρ, εmax, εn[[-1]], σnp1}}];
  (*Interrupt[];*)
  , {iend, 1, imax}]
 , {imax, 1, 50}]

ListPlot[σεL]
```



```
ListPlot[Transpose[{𝒟[[All, 3]], 𝒟[[All, 4]]}], AxesOrigin → {0, 0}]
```