```
1 | disp('Loop_di_Newton_per_l'', 'equazione_di_Poisson')
   errN = 1;
  iterN = 0;
  while errN > tollN % *(1 - exp(-0.05*iterN))
       iterN = iterN + 1;
      rho = q*(nintr*(exp((phip(:,k)-psi(:,k))/Vth) - exp((psi
          (:,k)-phin(:,k))/Vth)) + doping);
      rho(setdiff(nOX,nI)) = 0;
      F = A_epstot*psi(:,k) - Identity*rho;
      coeff = q*nintr/Vth*(exp((psi(:,k)-phin(:,k))/Vth) + exp
          ((phip(:,k)-psi(:,k))/Vth));
       coeff(setdiff(nOX,nI)) = 0;
      A = A_epstot + spdiags(Identity*coeff,0,nv,nv);
       delta_psi = -A(nodes_inter, nodes_inter) \F(nodes_inter);
       tk = 1; % - exp(-0.05*iterN); % damping
      psi(nodes_inter,k) = psi(nodes_inter,k) + tk*delta_psi;
       errN = norm(delta_psi,inf);
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  end
```