```matlab
1.  function val = TDEz(delta, meff, U, Ez, EFermi)
2.      hbar = 1.0551*1e-34;
3.      k_B = 1.38e-23;
4.      T = 300;
5.      kT = T*k_B;
6.
7.      kLeft = abs( sqrt( 2*meff(1)*(Ez-U(1)) )/hbar );
8.      kRight = abs( sqrt( 2*meff(end)*(Ez-U(end)) )/hbar );
9.
10.     [waveLeft, ~] = getWaveFunction(delta, meff, U, Ez);
11.
12.     T = (kRight./kLeft).*(meff(1)/meff(end)).*(abs(waveLeft(:, end)).^2)';
13.     D = log( ( 1 + exp( (EFermi + U(1) - Ez)/kT ) ) ./ ( 1 + exp( (EFermi + U(end) - Ez)/kT ) ) );
14.
15.     val = T.*D;
16.  end
```