```
% img 2.5, 2.7, 2.9
clear; clc;
e = 1.6e-19; eVtoJ = e; JtoEv = e^{(-1)};
me = 9.11*1e-31; nm = 1e-9;
checkTime = 0 : 5; %years
dx = 1; %nm
a = 10; % monolayers
b = 30;
sizeHS = a + b + a;
grid_x_Al = [
zeros(1, a), ...
ones(1, b), ...
zeros(1, a)
];
nSi = 1e24;
[~, ~, grids_C_Al] = getDiffCloseAlGaAs( grid_x_Al, checkTime, dx*nm,
920);
showResult(dx, sizeHS, grids_C_Al, 'Close Diffusion System',
checkTime); %img 2.5
[~, ~, grids_C_Al] = getDiffOpenAlGaAs( grid_x_Al, checkTime, dx*nm,
920 );
showResult(dx, sizeHS, grids_C_Al, 'Open Diffusion System',
 checkTime); %img 2.7
[~, ~, grids_C_Al, grids_C_Si] = getDiffAlGaAs_Si(grid_x_Al,
 checkTime, dx*nm, 430, nSi);
showResultSi(dx, sizeHS, grids_C_Al, grids_C_Si, 'Not Constant $D$',
 checkTime); %img 2.9
```









