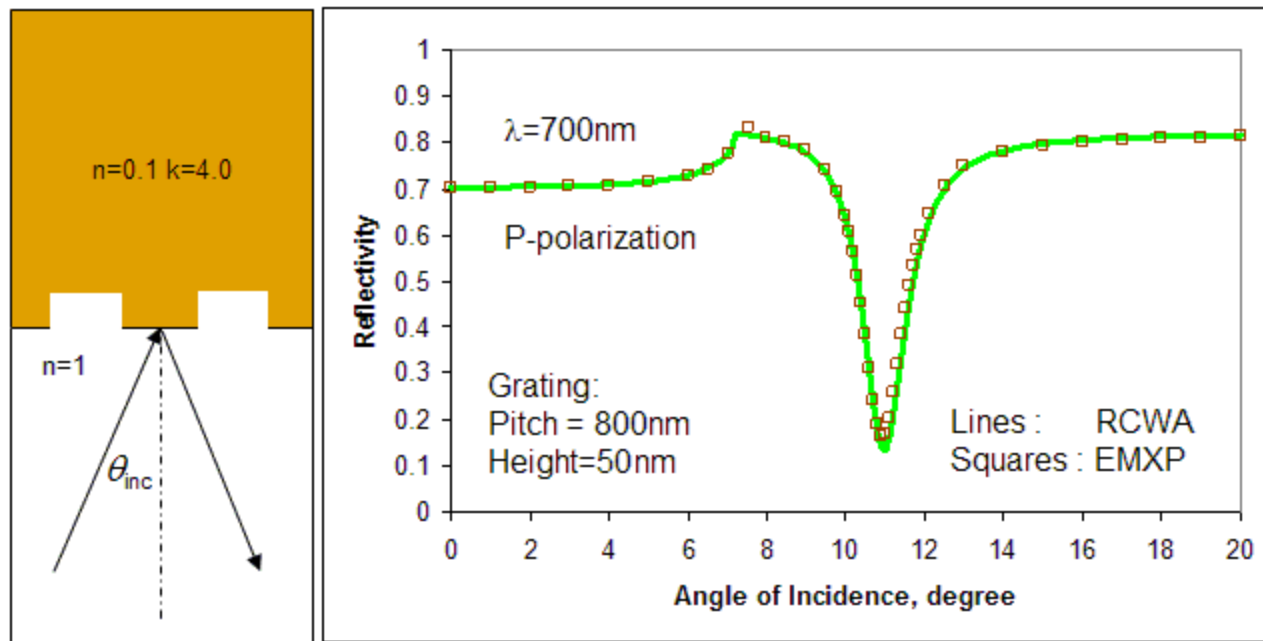


Simulation of Surface Plasmon Resonance by Grating

Another way to excite surface plasmons is through grating coupling. The resonance is also indicated by a sharp drop of the reflectivity at a certain angle of incidence, at which one of the diffracted waves excites the surface plasmon.



In this example the reflectivity as a function of incident angle obtained by EMXP compares well with that obtained Rigorous Coupled Wave Analysis (RCWA).