

My work is dealing with nonlinear optical event called optical bistability or multistability which is expressed during an interaction of high-energetic laser beam with material. Optical bistability may occur in absorptive coefficient or in refractive indice (or both). My work is more-less aimed as a theoretical experiment where I had predefined initial conditions and by the help of Microsoft Office Excel 2007 programm I have modeled the dispersive optical bistability for nanocrystalic form of silicon dioxide and cadmium selenid.