## A physically intuitive depth dose model

In parallel to increasing the level of complexity in dose calculation there is also an interest in obtaining simpler and aesthetic models representing the complex radiation transport processes. The proposed model is an attempt in this direction. A prototype photon depth dose model with oscillators has been introduced in which some exchange of energy between the various sites in the media is possible. This is a rough approach to account for the notion of range of electrons set in motion by photons. A build-up region as well as the dose reduction in a heterogeneous slab can be simulated. The model is not a clinically realistic dose calculation tool. It is physically simplistic and cannot compete with Monte Carlo simulation but is rather a "toy model" that provides some insight into the dose deposition process.