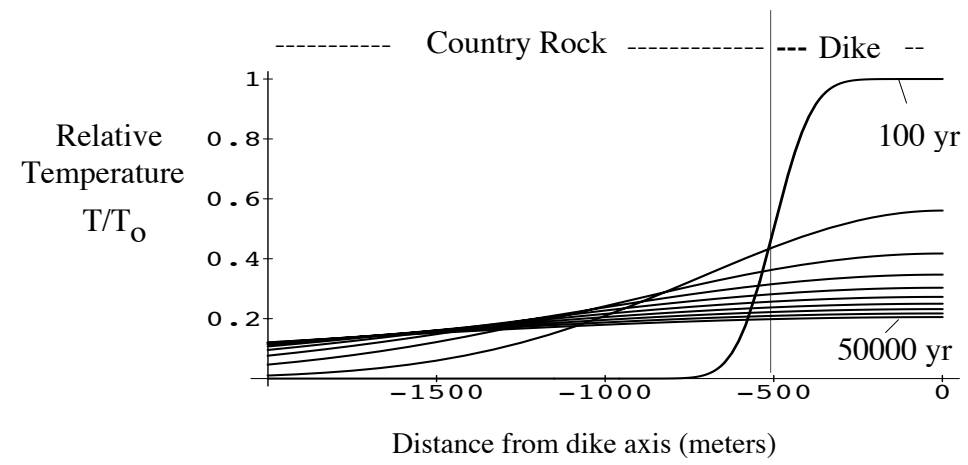
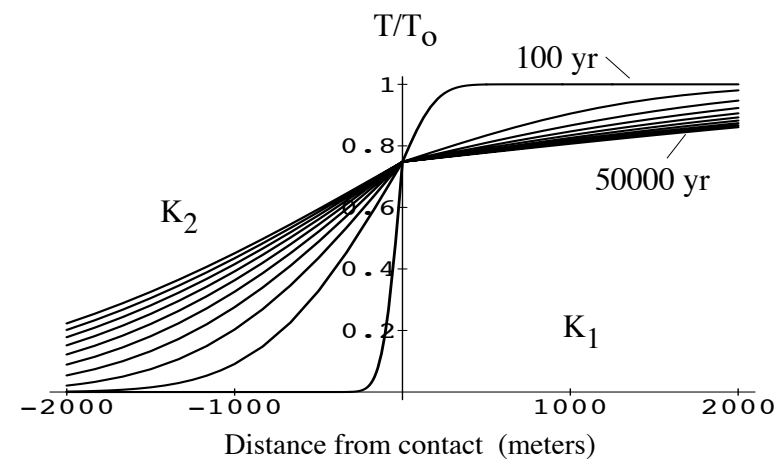


MODELS OF HEAT CONDUCTION



(a)



(b)

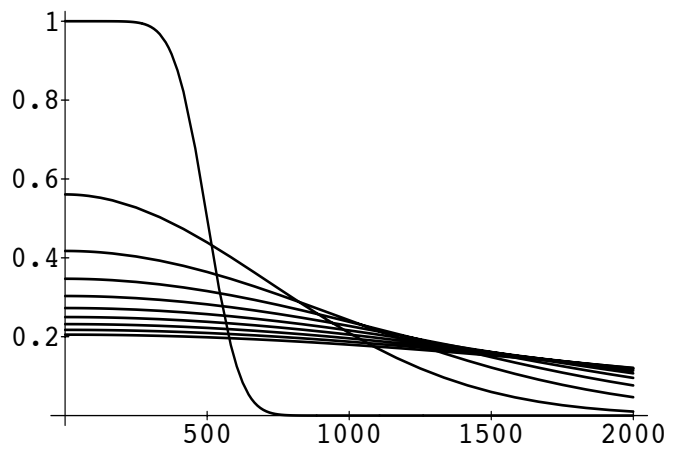


Figure 1. Two examples of solutions to the heat conduction equation. a) Thermal evolution of a dike and adjacent contact aureole. b) Different thermal conductivities across the boundary, $K_1 > K_2$.

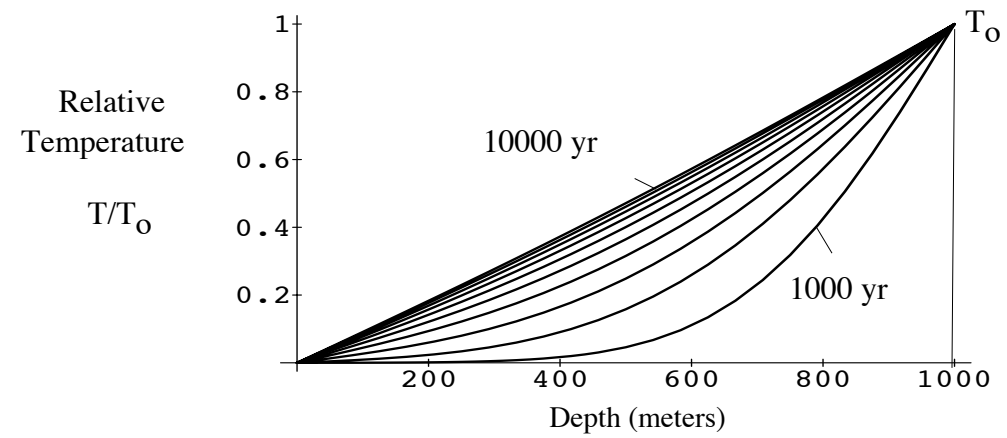


Figure 2. A slab is instantaneously heated at its bottom, and the analytic solution shows how the temperature evolves inside the slab for ten thousand years.