



FIGURE 4.6. The growth rate of the Caribbean coral *Montastrea annularis* versus depth. Points are measured rates from Bosscher and Schlager (1992) and curves are growth rates (carbonate production) calculated according to the equation given, where  $P_z$  is the production at depth  $z$ ,  $P_{\max}$  is the maximum production at  $z = 0$ ,  $I_0$  is the surface light intensity,  $k$  is the extinction coefficient given by the Beer–Lambert law, and  $I_k$  is the light intensity at the base of the light saturation zone. See Bosscher and Schlager (1992) for further details.