



Figure V.9: The dashed curve represents a cross section of a two dimensional surface. The surface is imagined to be displaced perpendicularly a distance  $d(u, v)$  to form the dotted curve. The outward direction of the surface is upward, and thus the value  $d(u_1, v_1)$  is positive and the value  $d(u_2, v_2)$  is negative.