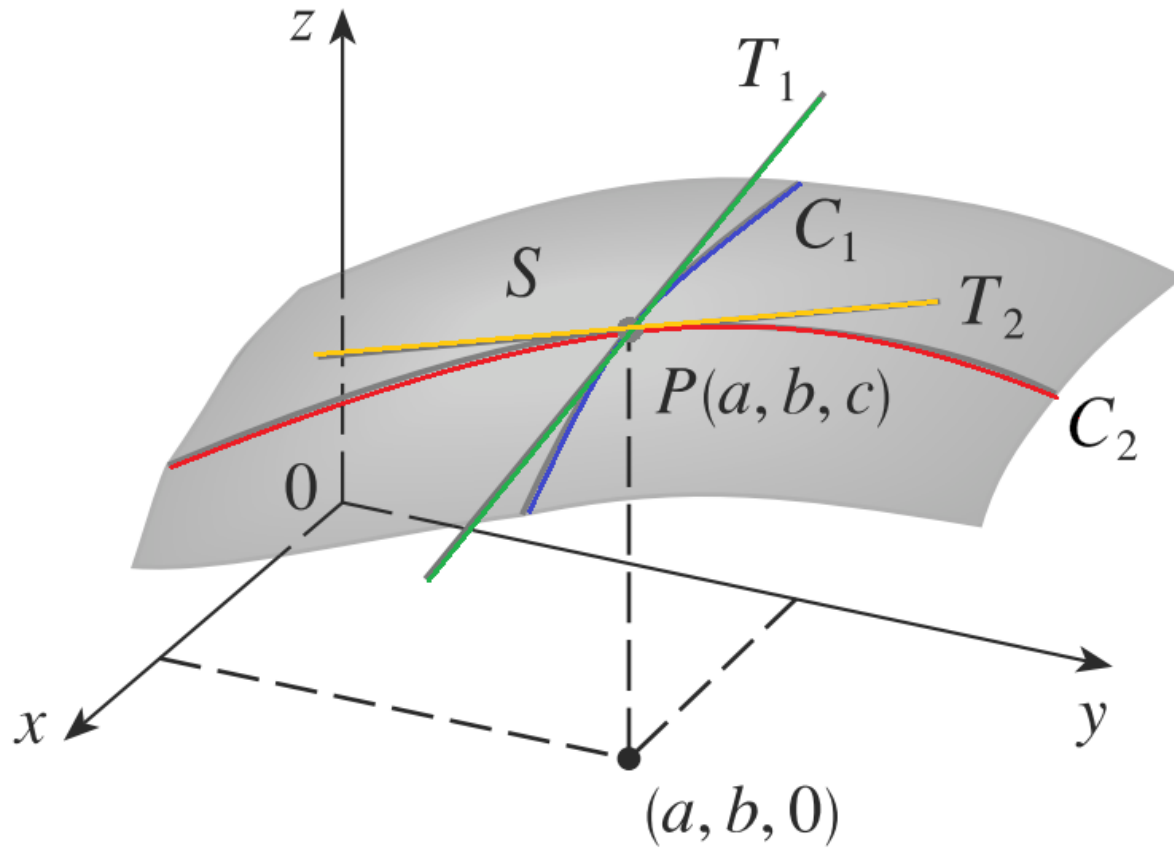
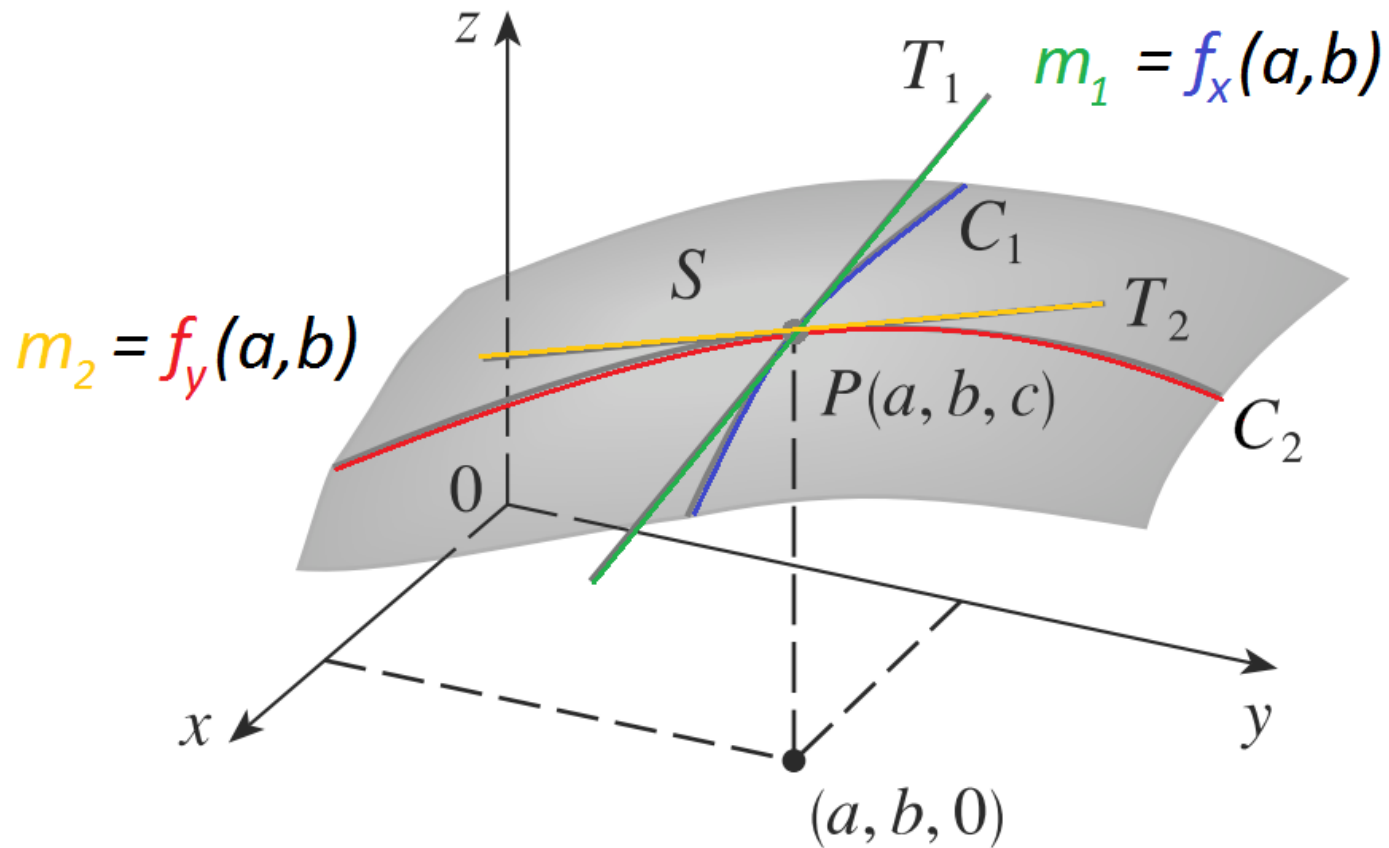


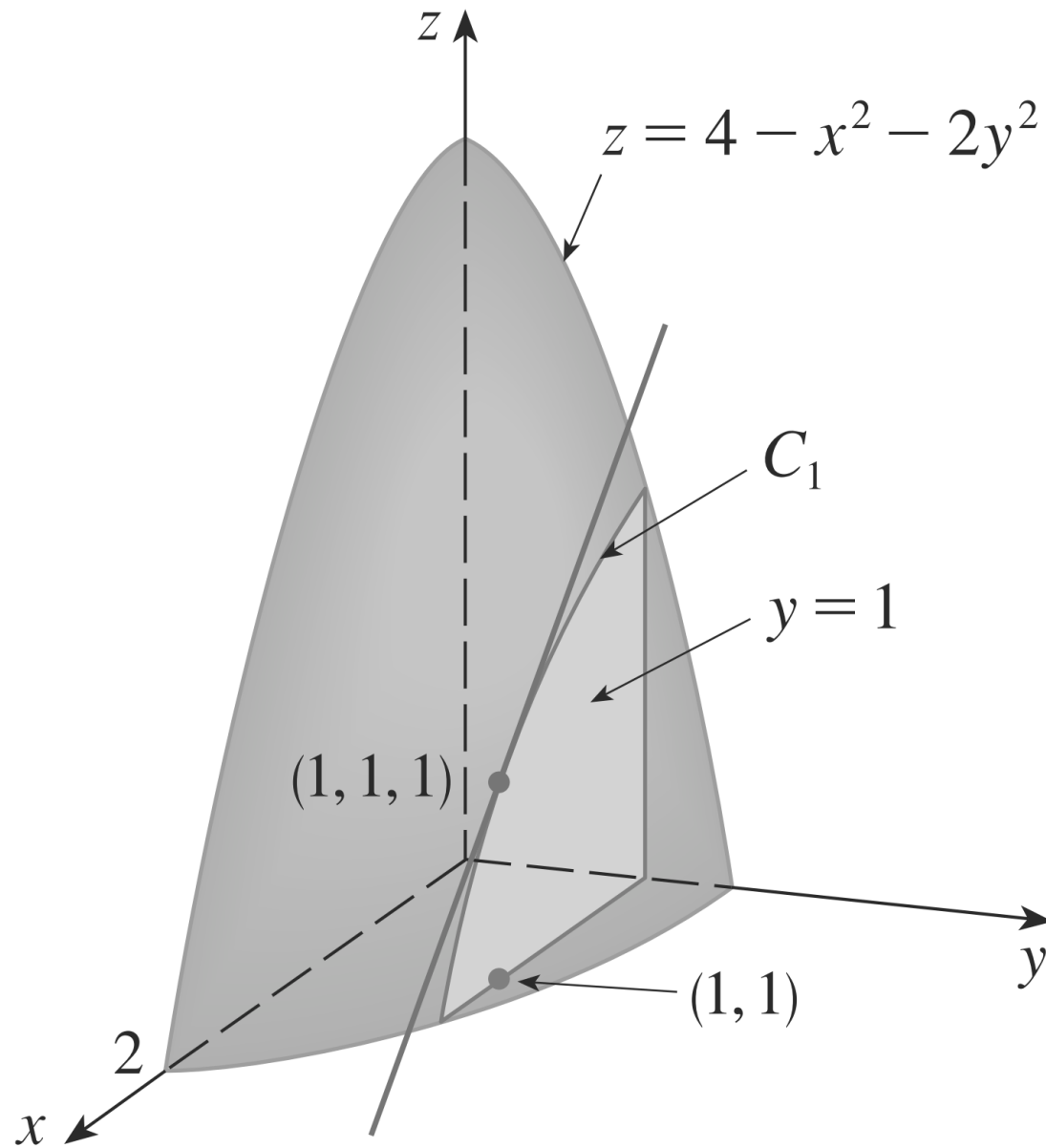
The partial derivatives of f at (a, b) are the slopes of the tangents to C_1 and C_2 .



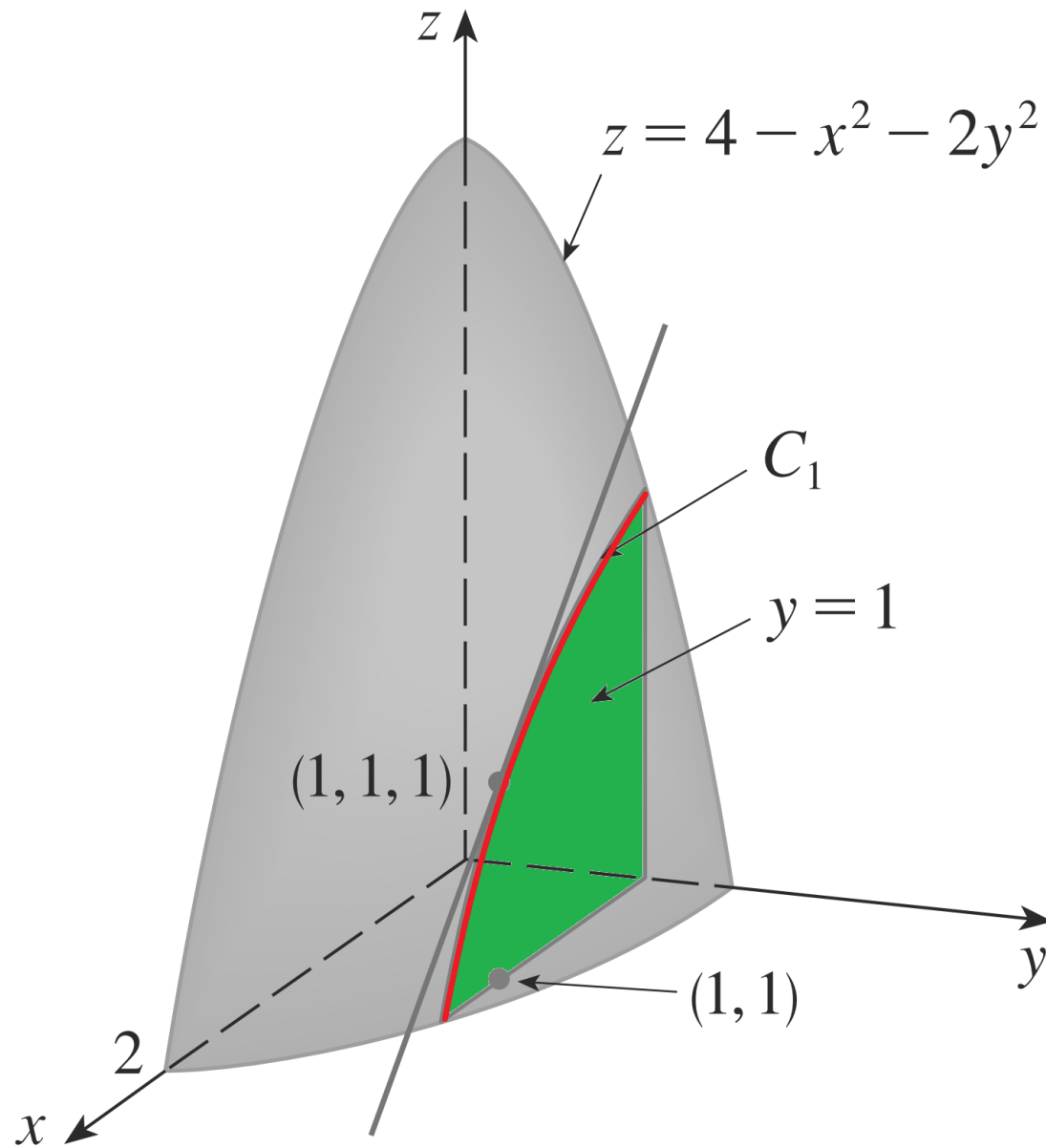
The partial derivatives of f at (a, b) are the slopes of the tangents to C_1 and C_2 .



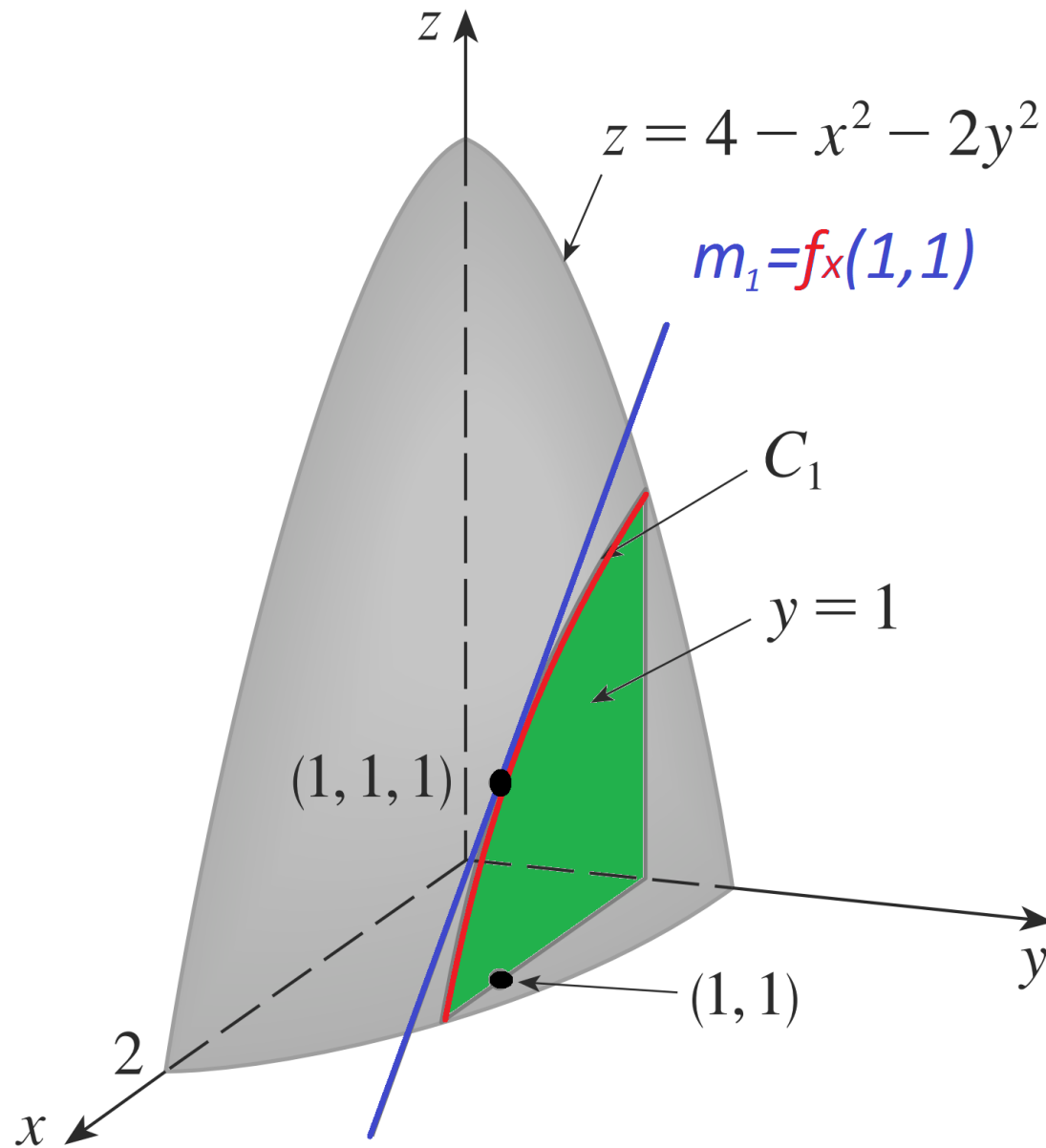
The partial derivatives of f at (a, b) are the slopes of the tangents to C_1 and C_2 .



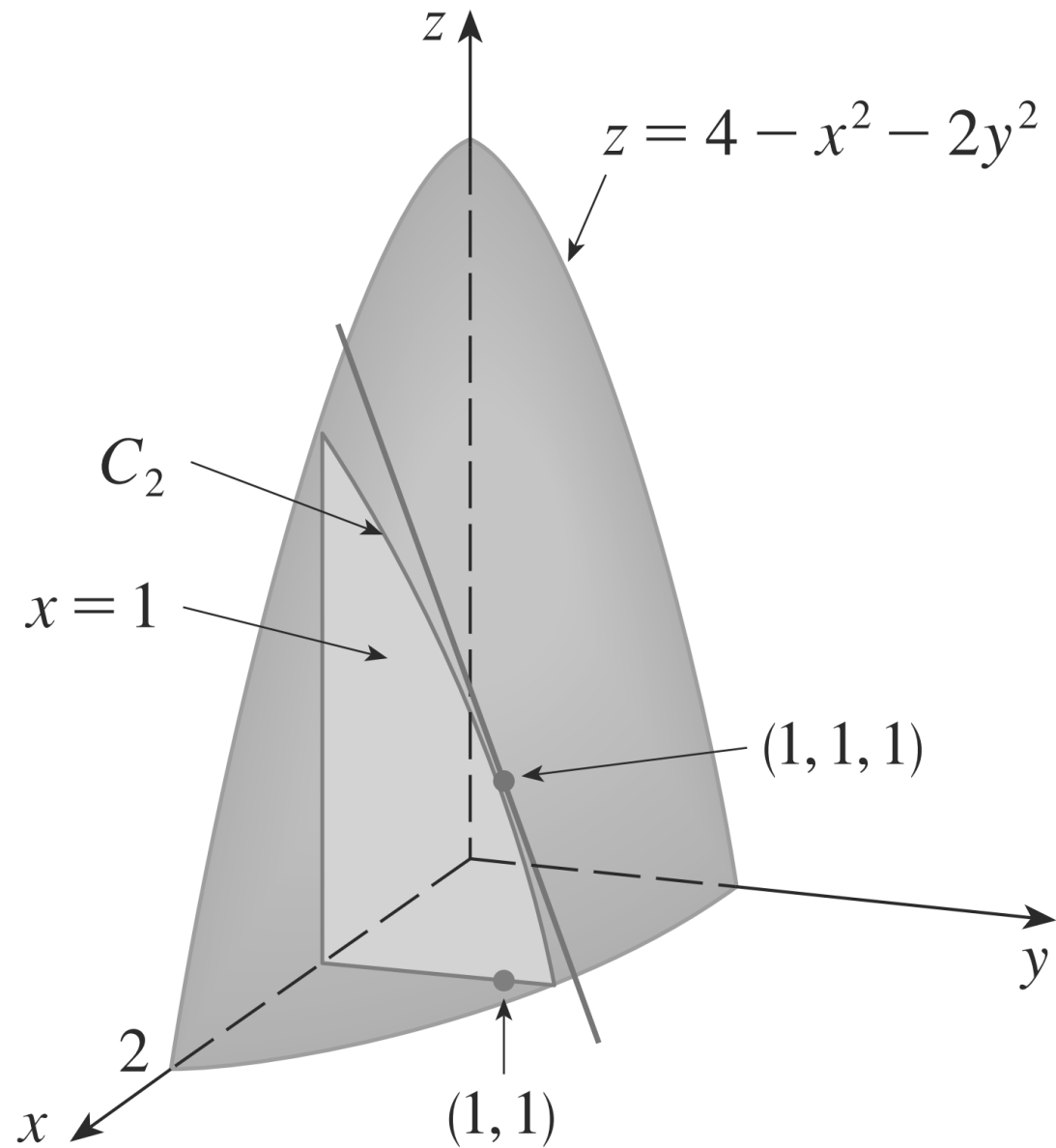
Geometric interpretation of f_x



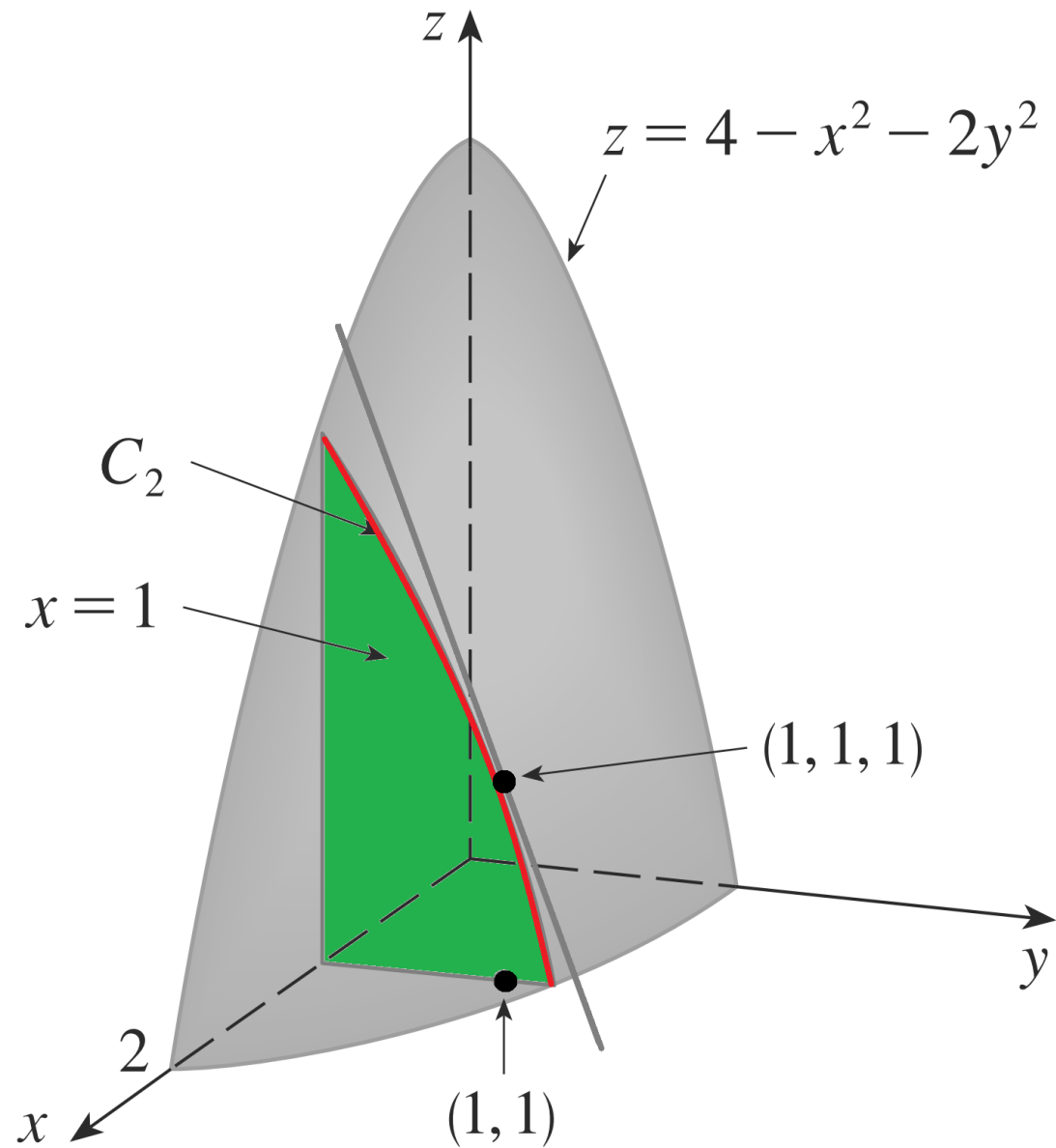
Geometric interpretation of f_x



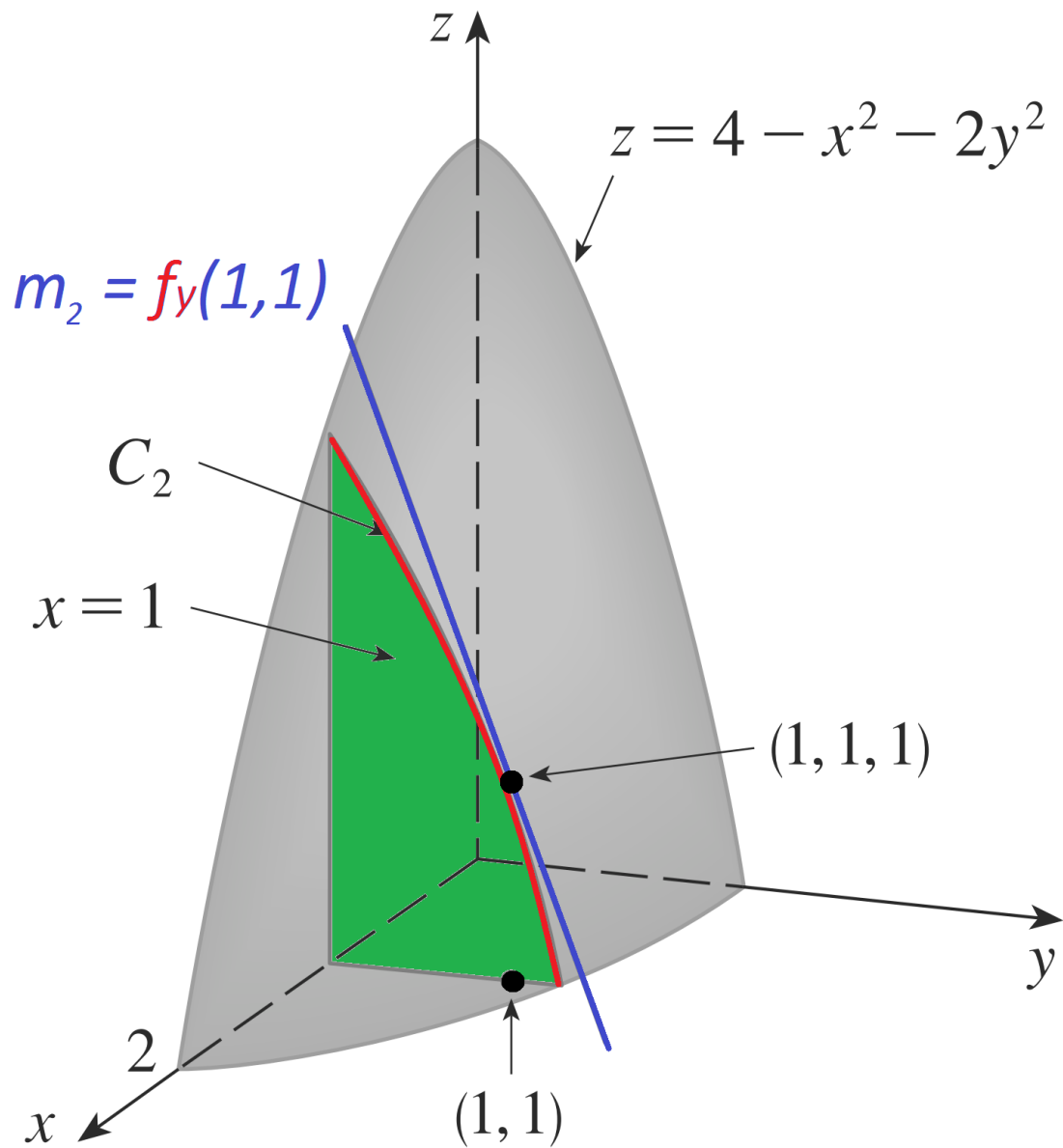
Geometric interpretation of f_x



Geometric interpretation of f_y



Geometric interpretation of f_y



Geometric interpretation of f_y