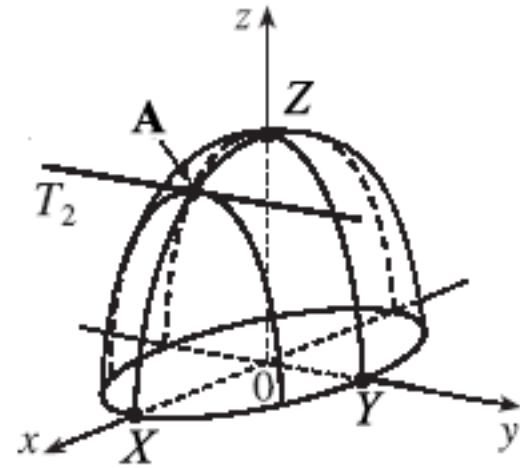
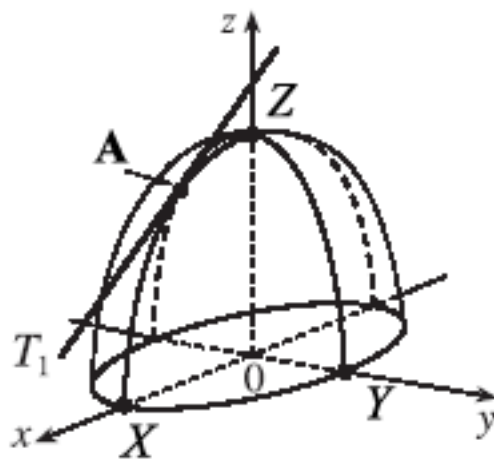


$f(x, y) = (754 - x^2 - 9y^4)^{1/2} \Rightarrow f_x(x, y) = -2x [2(754 - x^2 - 9y^4)]^{-1/2}$
 and $f_y(x, y) = -36y [2(754 - x^2 - 9y^4)]^{-1/2} \Rightarrow f_x(9, 0) = -\frac{9}{\sqrt{673}}, f_y(9, 0) = 0$.
 The graph of f is the upper half of the surface $z^2 + x^2 + 9y^4 = 754$ and the plane $y = 0$ intersects the graph in the curve $x^2 + z^2 = 754, z \geq 0$ and the slope of the tangent line T_1 to this curve at $(9, 0, \sqrt{673})$ is $f_x(9, 0) = -\frac{9}{\sqrt{673}}$. Similarly the plane $x = 9$ intersects the graph in the curve $z^2 + 9y^4 = 673, z \geq 0$ and the slope of the tangent line T_2 to this curve at $(9, 0, \sqrt{673})$ is $f_y(9, 0) = 0$.



$$A = (9, 0, \sqrt{673}), X = (\sqrt[2]{754}, 0, 0), Y = (0, \sqrt[4]{754/9}, 0), Z = (0, 0, \sqrt{754}).$$