



The diagram illustrates a point $(x_0, 0)$ located at the intersection of two curves. The curves are symmetric about a vertical line and meet at a point marked with a solid black dot. A gray wedge-shaped region is defined by two lines that intersect at a point to the left of the curves. The point $(x_0, 0)$ is the intersection of the two curves and lies within the wedge. The curves extend from the intersection point towards the right side of the image.

$(x_0, 0)$