

The diagram shows a rectangular domain with a central square hole. The domain is defined by the region $-b \leq x \leq b$ and $-c \leq y \leq c$, with a central square hole of side length $2a$ centered at the origin, defined by $-a \leq x \leq a$ and $-a \leq y \leq a$. The domain is divided into four quadrants by the x and y axes. The outer boundary is a rectangle with width $2b$ and height $2c$. The inner boundary of the hole is a square with side length $2a$. The domain is labeled with x and y axes, and the boundaries are labeled with b , c , and a .



