# **Scratch logo and symbol, meaning, history, PNGAsteroids 2: wrap-around universe**

*Notice that your spacecraft stops at the edge of the screen. Traditional Asteroids is a wrap-around universe where anything that disappears off one side, reappears at the other side.*

Chart

Description automatically generatedThe Scratch window has an **x** dimension that runs from left to right from (around) -240 to +240. The **y** dimension runs bottom to top from (around) -180 to +180. The **origin** 0,0 is in the middle.

1. You can check the screen dimensions by flying your ship around.
2. After moving the ship, detect if it has run into one of the four sides.
3. Use if statements to test the x and y positions of the ship.
4. If the ship has gone off one edge, reposition it at the opposite edge.
5. Fly your ship around now. What’s the effect?