

I am going to base my hopper on the spider cricket. It's known for the large distance it can jump, about 50 times its body length. It always lands on its feet by stretching out its many limbs to cover a larger area while it's in the air and increase stability. These crickets are always all over my house, especially in the summer. My room, bathroom, and basement were always filled with them, and they can jump out of anywhere. The reason they scared me and my sister so much is because they jumped so far and so fast it was difficult to tell they were jumping at all. This led to me and my sister joking that they teleported around. In my project I want to replicate the spider cricket's speed and distance and attempt to recreate the "teleportation" that scared me and my sister so much as children.