

1154-VC-1293      **James D Martin\*** ([james.martin@hsutx.edu](mailto:james.martin@hsutx.edu)), HSU Department of Mathematics, 2200 Hickory St, #16060, Abilene, TX 79698. *A naive mathematician's approach to finding asteroids.*

Three years ago I moved into the office next to the director of the International Astronomical Search Collaboration (IASC). Every month, IASC distributes images taken from telescopes on mountaintops in Hawaii to high school and college classrooms throughout the world to search for asteroids. The reason is that, even with automated sky surveys, faint asteroids are often lost in the noise of the images. By blinking a sequence of photos, the human eye can recognize the motion of these faint asteroids across the sky when computers cannot.

As a professional mathematician, very amateur astronomer, and recovering software developer, I wondered if there was a way to help guide the eyes of thousands of schoolchildren toward undiscovered objects. My approach was naive, but there are some nice results to share. (Received September 16, 2019)