

when you look at it from that slant
 you can see why can never be caught
 no matter how fast the pursuing plane
 goes why retreat at the same speed.

One good way to check that would
 be to have their plane to approach
 at three angles

The retreating
 object could not cross in front
 of any of the planes it would
 have to go straight ahead.

you try and get the north pole of a
 magnet and south pole to connect and
 you will see what I mean.
 (over)