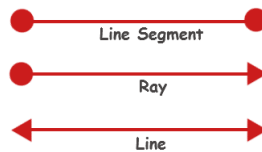


# Using Geometry to Make Stellar Discovery

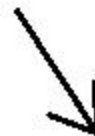
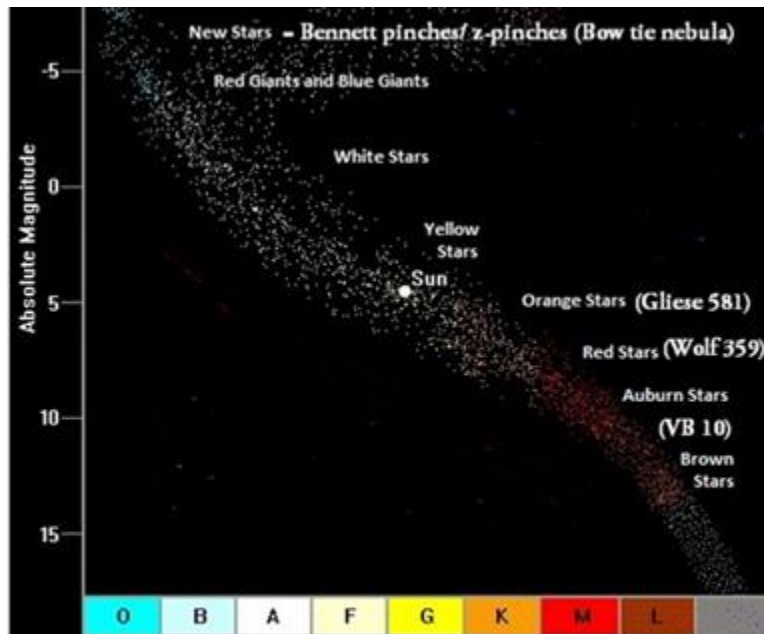
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*Abstract: It is shown that simple geometry could have been used to make the discovery that planet formation is stellar evolution.*

In High School the author learned about lines, line segments and rays. A line continues indefinitely in two directions, a line segment cuts off on both ends, and a ray continues in one direction only. Of course, for this example the lines are not infinite, they only take up a portion of the graph, but it is important to know of the point of this argument. We can easily discover that stellar evolution was a line that was turned into a line segment.



Below is the Hertzsprung-Russell diagram.



All the scientists needed to do was to put a ray next to the graph and then they would probably have discovered that their Hertzsprung-Russell diagram was a line, not a line segment. This meaning that stellar evolution is planet formation. They could have made the discovery using high school geometry, the graph just keeps on going. All they needed to do was literally THINK OUTSIDE THE BOX. The box in this case is the black area.

