

Bibliography

http://es.rice.edu/ES/humsoc/Galileo//Things/ptolemaic_system.html - This site is a brief summary of the three Ptolemaic astronomical models; the equant, the eccentric, and the epicycle. This site compares Aristotle's astronomy to Ptolemy's then focuses on Copernicus's ideas of planetary motion.

<http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Ptolemy.html> - This site is a fairly thorough synopsis of Ptolemy's life and work, including several quotes from *The Almagest* and other works. This article also mentions criticism of Ptolemy's work by astronomers and mathematicians after his work was published.

<http://www-gap.dcs.st-and.ac.uk/~history/Mathematicians/Ptolemy.html> - This site is a fairly short run through of Ptolemy's life and work, with a few links. It does note the historical accuracy of life accounts of Ptolemy.

http://www.ibiblio.org/expo/vatican.exhibit/exhibit/d-mathematics/Greek_math2.html - This site contains portions of *Almagest* contained at the Vatican. There is also links to Ptolemy's Geography and Greek Astronomy.

Heath, Sir Thomas. *A History of Greek Mathematics, Volume II*; Oxford University Press, London, 1960.

This book provides summaries of three of Ptolemy's works, as well as examples of his work in trigonometry and his work on proving Euclid's 5th postulate.

Hogben, Lancelot. *Mathematics in the Making*; Doubleday and Company Inc., Garden City, New York. 1960.

This book describes Ptolemy's astronomy imbedded in the historical context. It also elaborates on the historical context of his geography and work in trigonometry. This source contains a great deal of diagrams and examples of Ptolemy's work.

Kline, Morris. *Mathematical Thought from Ancient to Modern Times*; Oxford University Press, New York, 1972.

This book goes into detail about Ptolemy's trigonometric advances, and his astronomical theories. It makes a point of noting Ptolemy's work with his contemporaries. Also, Ptolemy's work on proving Euclid's 5th postulate is also mentioned.

Mankiewicz, Richard. *The Story of Mathematics*. Princeton University Press; Princeton, 2000.

This source is probably the best one I have found. It places Ptolemy in the context of mathematicians' work before and after him.

Neugebauer, O. *The Exact Sciences in Antiquity*; Dover Publications, Inc. New York, 1969.

This source has a few pages on the translations and historical accuracy of Ptolemy's work. It also goes into detail about the Ptolemaic system of planetary movement and geography. There is also an appendix, which goes into detail about the trigonometry that was used in determining the Ptolemy's ideas of planetary motion and geography.

Sanford, Vera. A Short History of Mathematics. Houghton Mifflin, New York. 1930.
This source credits Ptolemy with the introduction of the quadrant, a tool used for astronomy and later surveying.