962-01-82   **Ilhan M Izmirli*** (`ixi@strayer.edu`), Strayer University, 1025 15th StreetNW, Washington, DC 20005. *On Some Contributions of Nasireddin Tusi to Geometry, Trigonometry, and Astronomy (Preliminary Report).* Preliminary report.

In most standard texts on the history of mathematics, the major contributions of Turkish mathematicians seem to be reduced to those of being loyal translators of classical Greek works. However, modern research indicates that astronomy, geometry, and other mathematical sciences thrived in most Turkic nations, culminating especially around thirteenth century in the works of such mathematicians as Ebul Vefa, Mohammed Bin Musa, and Nasireddin Tusi. In this paper, I will talk about the life and mathematics of Nasireddin Tusi, arguably one of the most prominent mathematicians of thirteenth century, who obtained some rather astonishing results in geometry and astronomy. I will also state some of the axioms he proposed, and will give couple of examples of his original solution techniques. (Received July 24, 2000)