1116-01-1327   **Victor J. Katz*** (`vkatz@udc.edu`). *Mathematics in the Medieval Islamic West: Its Relationship to Hebrew and Latin Mathematics.* Preliminary report.

There has been much written in recent years about the mathematical contributions of Muslim mathematicians during the medieval period, mostly about contributions of mathematicians in Western Asia. But there was also significant mathematics accomplished by Muslim mathematicians in the Maghreb and Spain, where there were more possibilities of transmission of ideas to and from mathematicians writing in Latin or Hebrew in France, Italy, or Spain itself. This talk will consider some important ideas in advanced geometry, spherical trigonometry, and combinatorics that were discussed in Arabic in that time period and consider how these were related to similar work accomplished in Hebrew and Latin. (Received September 18, 2015)