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From Chinese Mathematics to Calculus and Beyond.

When I teach Calculus and Mathematics throughout History at Keystone College, I assign projects to students to explore and understand the development of mathematics. Most students choose to write essays on European, Greek, Indian and Middle Eastern mathematicians. But they had scant knowledge of Chinese mathematicians. In fact, Leibniz, one of Calculus inventors, was fascinated by Chinese philosophy and Chinese written language. Ancient Chinese mathematicians, such as Sun Zi, Liu Hui and Zu Chongzhi, were not only great philosophers, but also calculus methodologists. There is a lot to learn from ancient Chinese mathematicians, as well as other mathematicians throughout History and around world. (Received September 18, 2007)