

1116-K5-377 **Simei Tong*** (tongs@uwec.edu), Department of Mathematics, UWEC, 524 Hibbard Humanity Hall, 105 Garfield Ave, Eau Claire, WI 54701. *Power of Mathematical Quilting*. Preliminary report.

Every mathematician agrees that mathematics is beautiful. However, one challenge is to inspire students to see the beauty that exists within this field. This talk presents several mathematical quilts made by the speaker that will demonstrate the connection between mathematics and arts. For example, quilts representing the sine curve, spiraling Pythagorean triples, polar coordinate integration, mobius band in topology, and many more will be shown. Mathematical thinking is powerful! You can even use mathematics and a piece of fabric to represent 362,880 solutions of sudoku! (Received August 28, 2015)