

1067-AB-1770      **David Perkinson\*** ([davidp@reed.edu](mailto:davidp@reed.edu)), 3203 Woodstock Blvd., Portland, OR 97202. *Sandpiles, domino tilings, and Chebyshev polynomials*. Preliminary report.

Symmetric recurrent sandpile configurations on a grid graph are related to domino tilings of grids and Möbius strips. The presentation will feature open-source, free software for sandpile computations and visualization. (Received September 21, 2010)