

Fresno State

Sonia Kovalevsky Mathematics Day

November 8, 2014

The common activities will be in the North Gym Building (NG) and the breakout sessions in the Social Science Building (SS). **The registration will be in NG 118 starting at 9 AM.** Please make plans to arrive by 8:45 AM.

The closest parking lots are P23, P24 and P20 (see campus map). You can park in the green or yellow lots. Parking is free on our campus during weekends (except for 24/7 enforcement parking zones).

Program

9:00-9:30	Registration	NG 118
9:30-9:40	A “Welcome” by the organizers	NG 118
9:50-10:40	Breakout Sessions	SS 103, 104, 105
10:50-11:40	Breakout Sessions	SS 103, 104, 105
11:50-12:40	Breakout Sessions	SS 103, 104, 105
12:40-1:15	Lunch (provided by the program)	Outside of NG 118
1:20-2:20	The Daughters of Hypatia: <i>Circles of Mathematical Women</i> —a dance show	NG 118
2:20-2:30	Group Picture	Outside of NG 118
2:30-3:15	Panel Discussions: Why Study Math?	NG 118
3:15-3:30	Prizes & Evaluations	NG 118

We will have 3 rotating breakout sessions with interactive hands-on activities led by Fresno State undergraduate and graduate students under faculty mentorship. Each participating student will attend each session over the course of the day: session attendance order will be assigned at registration. Teachers and parents or guardians are welcome to join us for all activities.

Hands-on activities (materials provided by the program):

Activity 1: *Exploring the Fibonacci Numbers*

Activity 2: *Flat Origami Models and Mathematics*

Activity 3: *From Caesar Cipher to Modern Cryptography*

The Daughters of Hypatia: *Circles of Mathematical Women* is a dance show celebrating the lives and struggles of women mathematicians throughout history, and the contributions they have made to better the world. Created by mathematician, dancer and choreographer Dr. Karl Schaffer, the show highlights these contributions in a performance which invites us to reconsider the roles of math in our lives, as well as the roles of women in the history of mathematics. We hear the personal stories of women mathematicians and see them acted out by skilled female dancers, who themselves embody the idea that mathematics is women’s work, completely intertwined with the arts and women’s lives.