

Spring Western AMS Sectional Meeting

May 6-7, 2023 (Saturday - Sunday)
California State University, Fresno,
Fresno, California

AMS Special Session

on **Math Circle Games and Puzzles that Teach Deep Mathematics**

Description: Math Circles are a form of education outreach and enrichment through which mathematicians and mathematical scientists share their passion with K-12 students and teachers. Math Circles combine significant content with a setting that encourages a sense of discovery and excitement about mathematics through problem solving and interactive exploration. Ideal problems are low-threshold, high-ceiling; they offer a variety of entry points and can be approached with a minimal mathematical background, but lead to deep mathematical concepts and can be connected to advanced mathematics. During this session, presenters will share mathematical games suitable for a Math Circle. Playing these games and discovering winning strategies for them allow the participants to learn interesting, deep mathematics. Puzzles and other recreational activities teaching interesting, deep mathematics are welcome too.

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Deadline for abstract submissions: March 7, 2023