Richard Low
SJSU

Non-attacking Bishop and King Positions on Regular and Cylindrical Chessboards

November 13, 2019, MH320

Abstract: In this talk, we count the number of non-attacking bishop and king positions on the regular and cylindrical $m \times n$ (where $m = 1, 2, 3$) chessboards. This is accomplished through the use of scientific computing, recurrence relations, generating functions and closed-form formulas.

This is joint work with Ardak Kapbasov.

Background: Discrete mathematics. This talk will be highly accessible and is recommended for students at all levels.

About the speaker: Dr. Richard M. Low is a Lecturer in the SJSU Department of Mathematics and Statistics. His research interests include combinatorics, graph theory, combinatorial game theory and group theory. Ardak Kapbasov is a SJSU undergraduate student who is majoring in mathematics.

Snacks in MH331B at 2:30 pm
Talk starts at 3:00 pm

For more information, see our full schedule at:

http://www.timhsu.net/colloq/