Dan Romik
Publication list

Date last updated: March 13, 2020

Downloadable versions of the publications listed below can be found on my publications page [https://www.math.ucdavis.edu/~romik/publications/](https://www.math.ucdavis.edu/~romik/publications/).

**Book**


**Preprints**


**Journal publications**


37. The Taylor coefficients of the Jacobi theta constant $\theta_3$. To appear in *Ramanujan J.*


34. On the number of $n$-dimensional representations of $SU(3)$, the Bernoulli numbers, and the Witten zeta function. *Acta Arithmetica* 180 (2017), 111–159.


10. Some formulas for the central trinomial and Motzkin numbers. *J. of Integer Sequences* 6 (2003), article 03.2.3.


Publications in conference proceedings


Patents


Software

I have developed and self-published the following mathematical software applications and packages, which are available to download from my software webpage ([https://www.math.ucdavis.edu/~romik/software/](https://www.math.ucdavis.edu/~romik/software/)):

- Mac-based mathematical simulation apps:
  - MacSort, 2008

- Research software packages:
  - The combinatorics of fully packed loops and Razumov-Stroganov conjectures, Mathematica package and slide presentation, 2014.