

## Report on the Sabbatical Leave for the Full Academic Year 2022-2023

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During the academic year 2022-2023 I was fortunate to have a sabbatical leave (80% salary). I used it to further my research activities, that considerably benefited without the distraction of teaching. However I continued to regularly meet with my five PhD students via Zoom, and they made great progress. I also continued to organize my famous Zoom Experimental Mathematics Seminar.

Below is a list of the papers that were produced:

- Lots and Lots of Perrin-Type Primality Tests and Their Pseudo-Primes By Robert Doherty-Bliss and Doron Zeilberger
- A Guide to the Risk-Averse Gambler and Resolving the St. Petersburg Paradox Once and For All By Lucy Martinez and Doron Zeilberger
- Experimenting with Discrete Dynamical System By George Spahn and Doron Zeilberger
- Using Symbolic Computation to Explore Generalized Dyck Paths and Their Areas By AJ Bu and Doron Zeilberger

For more information please consult my homepage

<https://sites.math.rutgers.edu/~zeilberg/>

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