Final report of the Fall 2015 semester Sabbatical Leave

Doron ZEILBERGER

During the fall Semester of 2015 I had a one-semester sabbatical leave. I visited Nankai University in Tianjin, China, and collaborated extensively with their faculty. This lead to the paper [1]. I also visited the Weiznmann Institute of Science in Israel and with my collaborators published [2].

References

[1] William Y.C. Chen, Qing-Hu Hou, and Doron Zeilberger, *Automated Discovery and Proof of Congruence Theorems for Partial Sums of Combinatorial Sequences*, J. of Difference Equations and Applications **22** (2016), 780-788

[2] Alon Regev, Amitai Regev, and Doron Zeilberger, *Identities in character tables of S_n*, J. of Difference Equations and its Application **22** (2016), 272-279.

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