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Research interest: Modular forms; Elliptic curves;

Recent publications:

- [1] M. Kazalicki, A.J.Scholl : „*Modular forms, de Rham cohomology and congruences*“, **to appear Transactions of AMS**
- [2] M. Kazalicki, Y.Sakai, K. Tasaka: „*Modular parametrizations of certain elliptic curves*“, **Acta Arith. 163** (2014), 33-43.
- [3] M. Kazalicki : „*Modular forms, hypergeometric functions and congruences*“, **Ramanujan J. 34** (2014), 1-9
- [4] M. Kazalicki: „*Congruent numbers and congruences between half-integral weight modular forms*“, **Journal of Number Theory 133** (2013), 4, 1079-1085

[Selected publications:

- [1] M. Kazalicki: „*2-adic and 3-adic part of class numbers and properties of central values of L-functions*“, **Acta Arith. 147** (2011), 51-72
- [2] M. Kazalicki: „*2-adic properties of modular functions associated to Fermat curves*“, **Proceedings of AMS. 129** (2011) 4265 - 4271.