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Research interest: Algebraic number theory; elliptic curves; algorithmic number theory

Recent publications:

[1] M. Mikić, F. Najman „*On the number of n-isogenies of elliptic curves*", 2011, to appear in **Glasnik Mat. Ser III**
[2] S. Kamienny, F. Najman „*The number of twists with large torsion of an elliptic curve*", to appear in **Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas**
[3] F. Najman „*Torsion of rational elliptic curves over cubic fields and sporadic points on X_1(n)*", 2011, to appear in **Math. Res. Letters**
[4] P Bruin, F. Najman „*The growth of the rank of Abelian varieties upon extensions*", to appear in **Ramanujan J.**
[5] J. Bosman, P. Bruin, A. Dujella, F. Najman „*Ranks of elliptic curves with prescribed torsion over number fields*", **Int. Math. Res. Not. IMRN 2014 (2014), 2885-2923.**

Selected publications:

[1] F. Luca, F. Najman „*On the largest prime factor of x^2-1*", **Math. Comp. 80 (2011), 429-435.**
[2] F. Najman „*Complete classification of torsion of elliptic curves over quadratic cyclotomic fields*", **J. Number Theory 130 (2010), 1964-1968.**
[3] J. Bosman, P. Bruin, A. Dujella, F. Najman „*Ranks of elliptic curves with prescribed torsion over number fields*", **Int. Math. Res. Not. IMRN 2014 (2014), 2885-2923.**
[4] S. Kamienny, F. Najman „*Torsion groups of elliptic curves over quadratic fields*", **Acta. Arith. 152 (2012), 291-305.**
[5] F. Najman „*Torsion of elliptic curves over cubic fields*", **J. Number Theory, 132 (2012), 26-36.**