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PhD University of Zagreb, 2005

Research interest: Differential geometry, Geometry, Mathematical education.

Recent publications:

- [1] Z. Erjavec: „*On Generalization of Helices in the Galilean and pseudo-Galilean space*“, **Journal of Math. Research**, Vol. 6 (No.3) (2014), 39– 50.
- [2] Z. Erjavec, D. Horvat: „*Biharmonic curves in $SL(2,R)$ space*“, **Math. Commun.** Vol. 19 (No. 2) (2014), 291–299.
- [3] Z. Erjavec: „*Minimal surfaces in $SL(2,R)$ space*“, **Glas.Mat.Ser.III**, (2014, accepted for publication)

Selected publications:

- [1] Z. Erjavec, B. Divjak, D. Horvat: „*The General Solutions of Frenet's System in the Equiform Geometry of the Galilean, Pseudo-Galilean, Simple Isotropic and Double Isotropic Space*“, **Int. Math. Forum**, Vol. 6 (No. 17) (2011), 837 – 856.
- [2] B. Divjak, Z. Erjavec, B. Szabolcs, B. Szilagy: „*Geodesics and geodesic spheres in $SL(2,R)$ geometry*“, **Math. Commun.**, Vol. 14 (2) (2009), 413–424.
- [3] B. Divjak, Z. Erjavec: „*Enhancing Mathematics for Informatics and its correlation with student pass rates*“, **Internat. J. Math. Ed. Sci. Tech.**, Vol 39 (No. 1) (2008), 23–33.
- [4] B. Divjak, Z. Erjavec: „*Equiform differential geometry of curves in pseudo-Galilean space*“, **Math. Commun.** Vol. 13 (No. 2) (2008), 321 –332.