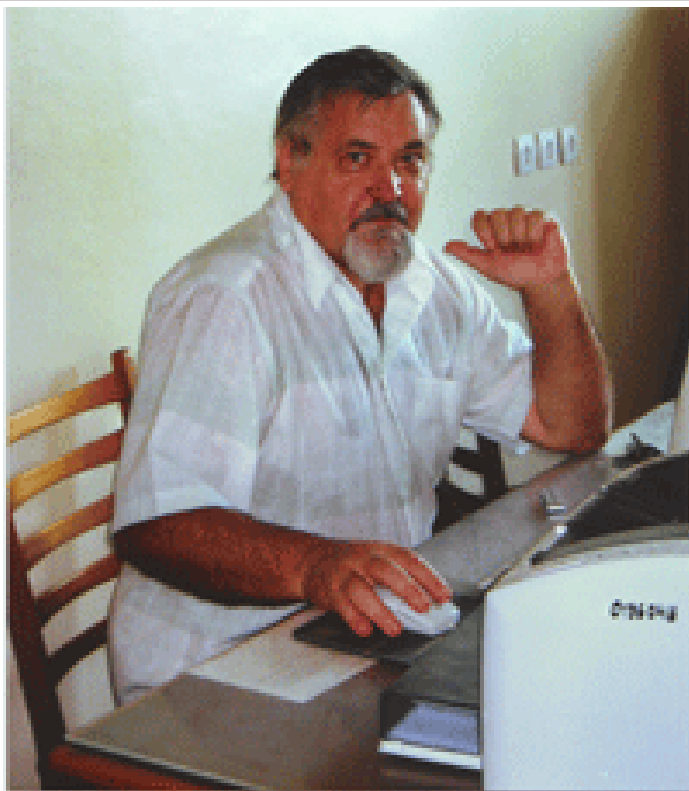


## Друмья, Валерий Семенович – Научные труды

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### Domeniul de cercetare

Geometrie diferențială, teoria de ecuații diferențiale; fizica matematică și teoretică

### Lucrări importante

- On theory of surfaces defined by the first order system of differential equations.  
Buletinul A.Ș. M., Matematica, No. 1(56), 2008, 161--175.
- Towards a theory of spaces of constant curvature.  
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- Riemann extensions in theory of the first order differential equations.  
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- Nonlinear multidimensional equations connected with commuting vector fields and their integration.  
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- Dunajski generalization of the second heavenly equation: dressing method and the hierarhy.  
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- On geometrical properties of the spaces defined by the Pfaff equations.  
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**Publicații în Computer Science Journal of Moldova, Buletinul Academiei de Științe a Republicii Moldova. Matematica și Quasigroups and Related Systems**

- **2012** [The Ricci-flat spaces related to the Navier-Stokes equations](#)
- **2010** [On spaces related to the Navier-Stokes equations](#)
- **2008** [Four-dimensional Ricci-flat space defined by the KP-equation.](#)
- **2008** [On theory of surfaces defined by the first order systems of equations.](#)
- **2005** [On the Riemann extension of the Godel space-time metric.](#)
- **2005** [On geometrical properties of the spaces defined by the Pfaff equations.](#)
- **2003** [On Riemann extension of the Schwarzschild metric. \(English\)](#)
- **2003** [On initial value problem in theory of the second order differential equations. \(English\)](#)
- **1999** [On applications of Riemannian geometry in theory of the second order ordinary differential equations. \(English\)](#)
- **1999** [Finsler-geometrical approach to the studying of nonlinear dynamical systems. \(English\)](#)
- **1998** [On the law of transformation of affine connection and its integration. Part 1. Generalization of the Lamé equations. \(English\)](#)
- **1996** [On equation of geodesic deviation and its solutions. \(English\)](#)