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**Born:** 1/31/1943 in Chelyabinsk region, Russia

<b>Education:</b>	Habilitation in Math.	Ural State Univ.,	1974
	Ph.D. in Math.	Inst. of Math. Siberian Branch, Acad. Sci. USSR, Novosibirsk	1967
	Graduated from	Ural State University	1965
<b>Employment:</b>	Councillor of Russian Academy of Sci.	Inst. of Math. Siberian Branch, Russian Acad. Sci., Novosibirsk	
<b>Teaching:</b>	Professor, Professor	Novosibirsk State University	

**Research Interests:** Algebra, especially Group Theory, and Combinatorics.

**Some invited talks on international meetings:**

International conference on group theory, Malaysia	2011
International conference on algebra and combinatoric, Minsk, Belarus	2009
International conference on non-associative algebras, Manaus, Brasil	2009
International conference on group theory and related topics, Xuzhou, China	2008
International conference on algebra, Moscow, Russia	2008
International school on group theory, Nalchik, Russia	2006
International conference on mathematics and its applications, Kuwait	2004
International algebraic conference, Hongkong	2002
Groups St Andrews 1997 in Bath, Bath, UK	1997
Group Theory: Finite to Infinite, Pisa, Italy	1996
'96 Beijing International Symposium on Group Theory	1996
The 2-th Asian Mathematical Conference, Thailand	1995
ATLAS: 10 Years on, Birmingham, United Kingdom	1995
Finite and Locally Finite Groups, Istanbul, Turkey	1994
Computational Group Theory, London, United Kingdom	1993
Asian Mathematical Conference, Hong-Kong	1990
Int. Congress of Math., Warsaw, Poland	1983

Group Theory, Oberwolfach, Germany,	1982
Summer Institute on Finite Groups, Santa Cruz, U.S.A.	1979
Int. Congress of Math., Vancouver, Canada	1974
Int. Congress of Math., Moscow, USSR	1966

**Membership in Scientific Societies and Councils:**

Russian Academy of Sciences (corresponding member),  
 American Mathematical Society,  
 Scientific Council of the Inst. of Math. of Siberian Branch, Russian Acad. Sci.,  
 Scientific Council of the Novosibirsk State University,  
 Specialized Council to award Doctor Degrees in the Inst. of Math., Siberian Branch, Russian Acad. Sci.  
 Specialized Council to award Doctor Degrees in the Inst. of Math. and Mech., Ural Branch, Russian Acad. Sci.

**Membership in Editorial Boards:**

Algebra and Logic (current)  
 Siberian Mathematical Journal (current)  
 Siberian Advances in Mathematics (current)  
 Mathematical Works (current)  
 Reports of Novosibirsk State University (current)  
 Vladikavkazian Mathematical Journal (current)  
 Journal of Group Theory (2000-2003)

**Selected publications:**

Groups of exponent 24. Algebra and Logic, 49, no. 6 (2011), 515-524.  
 Unsolved Problems in Group Theory. The Kourovka Notebook (with E.I. Khukhro). 17-th augmented ed. (2010). Novosibirsk: Institute of Mathematics, pp 137.  
 On periodic groups with prescribed orders of elements (with W.J. Shi). Science in China, Series A: Mathematics, 52, no. 2 (2009), 311-317.  
 Recognizability of finite simple groups  $L_4(2^m)$  and  $U_4(2^m)$  by spectrum (with G.Y.Chen). Algebra and Logic, 47, no. 1 (2008), 49-55.  
 Automorphisms with centralizers of small rank. London Math. Soc. Lect. Notes, 340 (2007), 564–585 (with E.I.Khukhro).  
 2-Signalizers and normalizers of Sylow 2-subgroups in finite simple groups. London Math. Soc. Lect. Notes, 340 (2007), 586–596 (with A.S.Kondratiev).  
 Recognition of the finite almost simple groups  $PGL_2(q)$  by their spectrum. J.Group Theory, 10, no. 1 (2007), 71-85 (with G.Y.Chen, W.J.Shi, A.V.Vasil'ev, A.Kh.Zhurtov).  
 Element orders in coverings of finite simple linear and unitary groups and recognizability of  $L_n(2)$  by spectrum. Doklady Math., 74, No. 1 (2006), 569-572 (with A.V.Zavarnitsine).  
 Finite groups with an automorphism of prime order whose centralizer has small rank. J. Algebra, 301, no.2 (2006), 474-492 (with E.I.Khukhro).

Groups possessing automorphisms of prime orders with centralizers of bounded rank. *Doklady Mathematics*, 71, no.3 (2005), 454-456 (with E.I.Khukhro).

A characterization of alternating groups. *Algebra and Logic*, 44, no. 1 (2005), 31-39.

Characterizations of groups by arithmetic properties. *Algebra Colloquium*, 11, no. 1 (2004), 129-140.

Frobenius Groups Generated by Quadratic Elements. *Algebra and Logic*, 42, N 3 (2003), 153-164 (with A.Kh.Zhurtov).

On generation of sporadic simple groups by three involutions two of which commute. *Siberian Math. J.* 44, N 1 (2003), 160-164.

Groups containing a selfcentralizing subgroup of order 3. *Algebra and Logic*, 42, N 1 (2003), 29-36.

A new proof of Zassenhaus theorem on finite groups of fixed-point-free automorphisms. *J. Algebra*, 263, N 1 (2003), 1-7.

Recognition of Finite Simple Groups  $S_4(q)$  by Their Element Orders, *Algebra and Logic*, 41, N 2 (2002), 93-110.

On a free action of a group on an abelian group. *Sib. Math. J.*, 43, N 3 (2002), 480-486 (with V.A.Churkin).

Infinite groups with abelian centralizers of involutions. *Algebra and Logic*, 39, N 1 (2000), 42-49.

Recognition of alternating groups of prime degree from their element orders. *Siberian Math. J.*, 41, N 2 (2000), 294-302 (with A.S.Kondrat'ev).

On groups with small orders of elements. *Bull. Austral. Math. Soc.*, 60, N 5 (1999), 197-205 (with N.D.Gupta).

Groups whose elements have given orders (with W.J.Shi.) *London Math. Soc. Lecture Note Ser.*, 261 (1999), 532-537.

A note to the characterization of sporadic simple groups (with W.J.Shi.) *Algebra Colloq.*, 5, N 3 (1998), 285-288.

Intersections of Sylow subgroups in finite groups (with V.I.Zenkov.) *London Math. Soc. Lecture Note Ser.*, N 249 (1998), 191-197.

Characterization of finite groups by sets of orders of their elements. *Algebra and Logic*, **36**, N 1 (1997), 23-32.

Minimal permutation representations of finite simple classical groups. Special linear, symplectic, and unitary groups, *Algebra and Logic*, **32**, N 3 (1993), 142-153.

Finite groups of outer automorphisms of free groups, *Siberian Mathematical Journal*, **32** (1991), 796-811.

A characterization of the Rudvalis group, *Matematicheskie Zametki* (Russian), **31** (1982), 321-337

On centralizers of involutions in simple groups, *Matematicheskii sbornik* (Russian), **93** (1974), 529-539

On finite groups with a given Sylow 2-subgroup, *Doklady Akademii Nauk SSSR* (Russian), **168** (1966), 519-521