Vladimir Drinfel'd

Canonical name	VladimirDrinfeld
Date of creation	2013-03-22 16:20:02
Last modified on	2013-03-22 16:20:02
Owner	PrimeFan (13766)
Last modified by	PrimeFan (13766)
Numerical id	9
Author	PrimeFan (13766)
Entry type	Definition
Classification	msc 01A61
Classification	msc 01A65
Classification	msc 01A60
Synonym	Vladimir Drinfeld
Synonym	Vladimir Gershonovich Drinfel'd

Vladimir Gershonovich Drinfel'd (born 1954) Ukrainian mathematician and mathematical physicist. Proposing the term `http://planetmath.org/QuantumGroups`"quantum group" Drinfel'd indicated the connection between quasi-triangular Hopf algebras and solutions of the quantum Yang-Baxter equations involving the R-matrix. Subsequently, quantum groups have become a field of thorough mathematical investigation and the construction of finite quantum groups from Hopf algebras or, more recently, from Hopf C*-algebras has been carried out in detail *via* Fourier transformation as such finite groups are dual to certain `http://planetmath.org/QuantumGroups`Hopf C*-algebras. he also introduced the contruction of the quantum double leading later to quantum supergroups and quantized enveloping superalgebras. `http://planetmath.org/QuantumDouble`Drinfel'd modules and Drinfel'd twists are named after him. He was awarded and accepted the Fields medal in 1990.