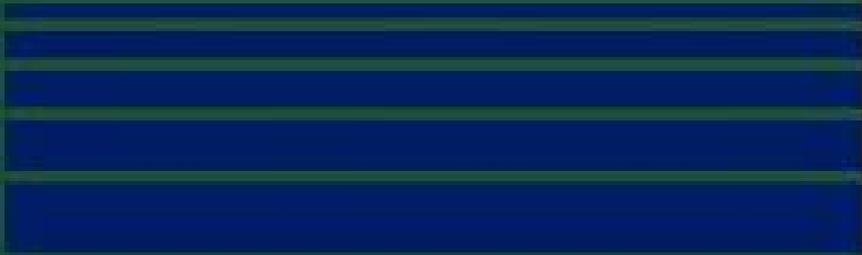
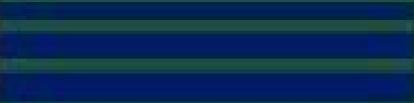


Progress in Nonlinear Differential Equations  
and Their Applications



**Topics in Geometry**  
**In Memory of**  
**Joseph D'Atri**

Simon Gindikin  
Editor



**Birkhäuser**

# Topics In Geometry In Memory Of Joseph

**Peipei Pang**



## Topics In Geometry In Memory Of Joseph:

*Topics in Geometry* Simon Gindikin, 1996-06-27 This collection of articles serves to commemorate the legacy of Joseph D Atri who passed away on April 29 1993 a few days after his 55th birthday Joe D Atri is credited with several fundamental discoveries in geometry In the beginning of his mathematical career Joe was interested in the generalization of symmetrical spaces in the E Cartan sense Symmetric spaces differentiated from other homogeneous manifolds by their geometrical richness allows the development of a deep analysis Geometers have been constantly interested and challenged by the problem of extending the class of symmetric spaces so as to preserve their geometrical and analytical abundance The name of D Atri is tied to one of the most successful generalizations Riemann manifolds in which local geodesic symmetries are volume preserving up to sign In time it turned out that the majority of interesting generalizations of symmetrical spaces are D Atri spaces natural reductive homogeneous spaces Riemann manifolds whose geodesics are orbits of one parameter subgroups etc The central place in D Atri's research is occupied by homogeneous bounded domains in  $\mathbb{H}^n$  which are not symmetric Such domains were discovered by Piatetskii Shapiro in 1959 and given Joe's strong interest in the generalization of symmetric spaces it was very natural for him to direct his research along this path

*Topics in Geometry* Semen Grigor'evich Gindikin, 1996 A collection of articles to commemorate the legacy of Joseph D Atri

*Topics in Geometry* Simon Gindikin, 2012-12-06 This collection of articles serves to commemorate the legacy of Joseph D Atri who passed away on April 29 1993 a few days after his 55th birthday Joe D Atri is credited with several fundamental discoveries in geometry In the beginning of his mathematical career Joe was interested in the generalization of symmetrical spaces in the E Cartan sense Symmetric spaces differentiated from other homogeneous manifolds by their geometrical richness allows the development of a deep analysis Geometers have been constantly interested and challenged by the problem of extending the class of symmetric spaces so as to preserve their geometrical and analytical abundance The name of D Atri is tied to one of the most successful generalizations Riemann manifolds in which local geodesic symmetries are volume preserving up to sign In time it turned out that the majority of interesting generalizations of symmetrical spaces are D Atri spaces natural reductive homogeneous spaces Riemann manifolds whose geodesics are orbits of one parameter subgroups etc The central place in D Atri's research is occupied by homogeneous bounded domains in  $\mathbb{H}^n$  which are not symmetric Such domains were discovered by Piatetskii Shapiro in 1959 and given Joe's strong interest in the generalization of symmetric spaces it was very natural for him to direct his research along this path

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*Nonlinear Elliptic and Parabolic Problems* Michel Chipot, 2005-10-18 The present volume is dedicated to celebrate the work of the renowned mathematician Herbert Amann who had a significant and decisive influence in shaping Nonlinear Analysis Most articles published in this book which consists of 32 articles in total written by highly distinguished researchers are in one way or another related to the scientific works of Herbert Amann The contributions cover a wide range of nonlinear elliptic and parabolic equations with applications to natural sciences and engineering Special topics are fluid dynamics reaction diffusion systems bifurcation theory maximal regularity evolution equations and the theory of function spaces

Успехи Математических Наук, 2001

**Travelling Waves in Nonlinear Diffusion-Convection Reaction** Brian H. Gilding, Robert Kersner, 2012-12-06 This monograph has grown out of research we started in 1987 although the foundations were laid in the 1970 s when both of us were working on our doctoral theses trying to generalize the now classic paper of Oleinik Kalashnikov and Chzhou on nonlinear degenerate diffusion Brian worked under the guidance of Bert Peletier at the University of Sussex in Brighton England and later at Delft University of Technology in the Netherlands on extending the earlier mathematics to include nonlinear convection while Robert worked at Lomonosov State University in Moscow under the supervision of Anatolii Kalashnikov on generalizing the earlier mathematics to include nonlinear absorption We first met at a conference held in Rome in 1985 In 1987 we met again in Madrid at the invitation of Ildefonso Diaz where we were both staying at La Residencia As providence would have it the University Complutense closed down during this visit in response to student demonstrations and we were very much left to our own devices It was natural that we should gravitate to a research topic of common interest This turned out to be the characterization of the phenomenon of finite speed of propagation for nonlinear reaction convection diffusion equations Brian had just completed some work on this topic for nonlinear diffusion convection while Robert had earlier done the same for nonlinear diffusion absorption There was no question but that we

bundle our efforts on the general situation     Algebras, Groups, and Geometries ,1998     Proceedings of the Eighth International Workshop on Differential Geometry Young Jin Suh, Juan de Dios Pérez, Byung Hak Kim, 2004     *CMUC* ,2002  
    *Acta Scientiarum Mathematicarum* József Attila Tudományegyetem, 1996     General Mathematics ,1996     **BAG** ,1971  
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## Unveiling the Magic of Words: A Overview of "**Topics In Geometry In Memory Of Joseph**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Topics In Geometry In Memory Of Joseph**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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