

## Proceedings

### Fourth Dr. George Bachman Memorial Conference

Indian Journal of Mathematics

Volume 53, 2011(Supplement)

---

## Contents

<b>Foreword</b> .....	ix
<i>Edward Beckenstein</i>	
<b>List of Ph.D. students of Prof. George Bachman</b> .....	xi
<b>Reflections on a career in government service</b> .....	1
<i>Robert Purcell</i>	
<b>Subsets of the dual space with implications to vector measures and integration</b> .....	27
<i>John W. Burns and Charles L. Suffel</i>	
<b>On subnets and topological equivalence</b> .....	41
<i>John W. Burns</i>	
<b>Left factorization operators on a Banach space</b> .....	65
<i>Lawrence Narici and Edward Beckenstein</i>	
<b>On locally <math>JB^*</math>-algebras</b> .....	73
<i>Alexander A. Katz</i>	
<b>A note on the uniqueness of involution in locally <math>JB^*</math>-algebras</b> .....	87
<i>Alexander A. Katz</i>	
<b>A note on fusion frames in Hilbert space</b> .....	97
<i>G. Upendar Reddy and N. Gopal Reddy</i>	
<b>On the mean value property of harmonic functions on graphs</b> .....	107
<i>Florin Catrina and John Colanduoni</i>	

<b>Projective structures, laminations and the Thurston coordinates - Part I .....</b>	<b>115</b>
<i>Daniel M. Gallo</i>	
<b>On the structure of spectral projectors of the Schrodinger operator with polynomial potential .....</b>	<b>163</b>
<i>Vladimir Tulovsky</i>	
<b>Singular value decomposition analysis of three-dimensional ECG data .....</b>	<b>177</b>
<i>Jack-Kang Chan, Charles W. Olson and Kang-Ray Chan</i>	
<b>On random models of complex food webs .....</b>	<b>217</b>
<i>Zbigniew Palka</i>	
<b>On an iterative algorithm for analysis of human skin rashes .....</b>	<b>241</b>
<i>Zbigniew Palka and Tomasz Tyrakowski</i>	
<b>GUI for simulation of FitzHugh-Nagumo system in inhomogeneous 2d space domain .....</b>	<b>251</b>
<i>Arnold Dikansky</i>	
<b>How many holes does my cat have? .....</b>	<b>257</b>
<i>David Rosenthal</i>	