

Contents

Preface	ix
In Memoriam – Issai Schur	
<i>Anthony Joseph and Anna Melnikov</i>	xi
A Special Hour of Reminiscences	
<i>Anthony Joseph</i>	xix
Issai Schur Died Here: Some Background Comments, In Memoriam	
<i>Yuval Ne'eman</i>	xxi
Some Personal Recollections	
<i>Bernhard Neumann</i>	xxxii
Some Personal Reminiscences of Issai Schur	
<i>Walter Ledermann</i>	xxxiii
Schur's Influence on My Career	
<i>Walter Ledermann</i>	xxxvii
A Story About Father	
<i>Hilda Abelin-Schur</i>	xli
Issai Schur and his Library in Tel-Aviv	
<i>Michael Sonis</i>	xlili
The Life of Issai Schur through Letters and other Documents	
<i>Walter Ledermann and Peter M. Neumann</i>	xlvi
* * * * *	
Contributions of Issai Schur to Analysis	
<i>Harry Dym and Victor Katsnelson</i>	xcii
* * * * *	
Twisted Verma Modules	
<i>H. H. Andersen and N. Lauritzen</i>	1
γ -Sheaves on Reductive Groups	
<i>Alexander Braverman and David Kazhdan</i>	27

Representations of Hecke Algebras and Characters of Symmetric Groups <i>Stephen Donkin</i>	49
Dirac Cohomology for the Cubic Dirac Operator <i>Bertram Kostant</i>	69
Double Crystal Graphs <i>Alain Lascoux</i>	95
Induced Representations of Affine Hecke Algebras and Canonical Bases of Quantum Groups <i>Bernard Leclerc, Maxim Nazarov, and Jean-Yves Thibon</i>	115
A Pieri–Chevalley Type Formula for $K(G/B)$ and Standard Monomial Theory <i>P. Littelmann and C.S. Seshadri</i>	155
Constructible Functions on Varieties Attached to Quivers <i>G. Lusztig</i>	177
On the Endomorphism Algebra of the Steinberg Module <i>Olivier Mathieu</i>	225
Frobenius–Schur Functions <i>Grigori Olshanski, Amitai Regev, and Anatoly Vershik</i> (with an appendix by Vladimir Ivanov)	251
A Generating Function for the Trace of the Iwahori–Hecke Algebra <i>Eric M. Opdam</i>	301
Quivers, Desingularizations and Canonical Bases <i>Markus Reineke</i>	325
Perverse Sheaves and Quantum Grothendieck Rings <i>M. Varagnolo and E. Vasserot</i>	345