

DOCUMENTA MATHEMATICA

BAND 10, 2005

MANFRED KNEBUSCH AND DIGEN ZHANG CONVEXITY, VALUATIONS AND PRÜFER EXTENSIONS IN REAL ALGEBRA	1–109
A. VISHIK ON THE CHOW GROUPS OF QUADRATIC GRASSMANNIANS	111–130
AMBRUS PÁL ON THE TORSION OF THE MORDELL-WEIL GROUP OF THE JACOBIAN OF DRINFELD MODULAR CURVES	131–198
ANTON DEITMAR AND JOACHIM HILGERT COHOMOLOGY OF ARITHMETIC GROUPS WITH INFINITE DIMENSIONAL COEFFICIENT SPACES	199–216
PETER W. MICHOR, DAVID MUMFORD VANISHING GEODESIC DISTANCE ON SPACES OF SUBMANIFOLDS AND DIFFEOMORPHISMS	217–245
K. DYKEMA, K. JUNG, D. SHLYAKHTENKO THE MICROSTATES FREE ENTROPY DIMENSION OF ANY DT-OPERATOR IS 2	247–261
C. CORNUT AND V. VATSAL CM POINTS AND QUATERNION ALGEBRAS	263–309
ROBIN DE JONG ARAKELOV INVARIANTS OF RIEMANN SURFACES	311–329
D. H. JAKUBASSA-AMUNDSEN THE PROJECTED SINGLE-PARTICLE DIRAC OPERATOR FOR COULOMBIC POTENTIALS	331–356
DANIEL DUGGER, DANIEL C. ISAKSEN ALGEBRAIC K -THEORY AND SUMS-OF-SQUARES FORMULAS	357–366
EKATERINA AMERIK SOME REMARKS ON MORPHISMS BETWEEN FANO THREEFOLDS: ERRATUM cf. DOCUMENTA MATH. 9, p. 471–486	367–368
NORBERT HOFFMANN, ULRICH STUHLER MODULI SCHEMES OF GENERICALLY SIMPLE AZUMAYA MODULES	369–389

JEAN-LOUIS LODAY AND MICHAEL R. STEIN PARAMETRIZED BRAID GROUPS OF CHEVALLEY GROUPS	391–416
D. H. JAKUBASSA-AMUNDSEN LOCALIZATION OF THE ESSENTIAL SPECTRUM FOR RELATIVISTIC N -ELECTRON IONS AND ATOMS	417–445
KIRAN S. KEDLAYA SLOPE FILTRATIONS REVISITED	447–525
M. P. DUSSAN AND M. A. MAGID TIME-LIKE ISOTHERMIC SURFACES ASSOCIATED TO GRASSMANNIAN SYSTEMS	527–549
BERNHARD KELLER ON TRIANGULATED ORBIT CATEGORIES	551–581
ART M. DUVAL A COMMON RECURSION FOR LAPLACIANS OF MATROIDS AND SHIFTED SIMPLICIAL COMPLEXES	583–618
J. I. BURGOS GIL, J. KRAMER, U. KÜHN ARITHMETIC CHARACTERISTIC CLASSES OF AUTOMORPHIC VECTOR BUNDLES	619–716