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Nota di contenuto	Introduction to non commutative differential geometry -- Special values of hecke L-functions and abelian integrals -- An introduction to infinitesimal variations of hodge structures -- New dimensions in geometry -- Commentary on the article of manin -- The mandelbrot set in a model for phase transitions -- Recent developments in representation theory -- Loop groups -- Some recent results in complex manifold theory related to vanishing theorems for the semipositive case -- Groups and group functors attached to kac-moody data -- Modular points, modular curves, modular surfaces and modular forms -- Eigenvalues of the dirac operator -- Manifolds of non positive curvature -- Metrics with holonomy G2 or spin (7) -- On riemannian metrics adapted to three-dimensional contact manifolds -- 4-Manifolds with indefinite intersection form -- Arithmetische Kompaktifizierung des Modulraums der abelschen Varietaeten -- The schottky problem -- Vojta's conjecture -- A counterexample in 3-space to a conjecture of H. Hopf -- The topology and geometry of the moduli space of Riemann surfaces -- Addendum