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Filtration of the l -dimensional p -adic symmetric space -- Chapter 4. Cohomology of the moduli space -- 1. Generalities of the cohomology of rigid analytic spaces -- 2. Cohomology of l^*2 (C17E --) -- 3. A simple topological model -- 4. Cohomology of the moduli space with fixed level structure -- Chapter 5. Applications to relations between automorphic forms and Galois representations -- 8. Intégrales d'un produit de premières classes de Chern. cas général (esquisse) -- 9. IC2 et isomorphisme de Riemann-Roch -- 10. Métriser IC2 -- 11. Le théorème -- p -adic periods and p -adic étale cohomology -- An introduction to higher dimensional Arakelov theory -- Diophantine problems in complex hyperbolic analysis -- Cubic exponential sums and Galois representations -- Lettre -- J-F. Mestre -- A survey of the theory of height functions -- 1. Weil heights -- 2. Métrized line bundles -- 3. The degree of a métrized line bundle -- 4. The modular height of an abelian variety -- 5. Canonical heights on abelian varieties -- 6. The difference of the Weil and canonical heights -- 7. Lower bounds for the canonical height -- 8. Specialization theorems -- Presentation De La Théorie D'Arakelov.
