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Nota di contenuto	References -- A -adic integral for the reciprocal of -functions -- 1. Introduction and Motivation -- 2. Mazur's measure and its real analytic interpretation -- 3. Fourier coefficients of classical Eisenstein series -- 4. Proof of \thmref{th1} -- Acknowledgements -- References -- Harmonic analysis on symmetric spaces as complex analysis -- 1. Horospherical reduction of complex symmetric spaces (geometrical picture) -- 2. Horospherical reduction of complex symmetric spaces (analytic construction of intertwining operators) -- 3. Dual horospherical Cauchy transform -- 4. Cauchy formula on complex symmetric spaces -- 5. Horospherical duality for real symmetric spaces. Compact spaces -- 6. Horospherical duality for complex crowns of symmetric spaces -- 7. Tube Stein manifolds on causal symmetric spaces -- References -- Testing rationality of coherent cohomology of Shimura varieties -- Introduction -- 1. Restrictions of discrete series representations and global consequences -- 2. Restrictions of minimal types -- 3. Coherent cohomology of unitary group Shimura varieties -- 4. Gross-Prasad periods as cup products --

Acknowledgements -- 6. The case $n=3$, $m=2$ -- 7. The case $n=m=2$ -- 8. The case $n=1$ -- 9. Application to holomorphic unitary representations -- References -- Mellin Transform of Whittaker functions -- 1. Introduction -- 2. Proof of the Theorem -- References -- Automorphic Integral Transforms for Classical Groups I: Endoscopy Correspondences -- 1. Introduction -- 2. Arthur Parametrization of Discrete Spectrum -- 3. Endoscopy Structures for Classical Groups -- 4. Fourier Coefficients and Nilpotent Orbits -- 5. Constructions of the Automorphic Kernel Functions -- 6. Automorphic Descents and Automorphic Forms of Simple Type -- An inductive formula for γ -factors -- On a new functional equation for local integrals -- Paquets stables des séries discrètes accessibles par endoscopie tordue; leur paramètre de Langlands -- On a certain sum of automorphic γ -functions -- Analytic constructions of p -adic γ -functions and Eisenstein series -- On stability of root numbers -- CAP forms, Eisenstein series, and some arithmetic applications -- Automorphic descent: an outgrowth from Piatetski-Shapiro's vision -- On the singularities of branch curves of 3 surfaces and applications.
