

1. Record Nr.	UNINA9910788748803321
Autore	Bopp Nicole <1947->
Titolo	Local zeta functions attached to the minimal spherical series for a class of symmetric spaces // Nicole Bopp, Hubert Rubenthaler
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2005] ©2005
ISBN	1-4704-0422-2
Descrizione fisica	1 online resource (250 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 821
Disciplina	510 s 515/.56
Soggetti	Functions, Zeta Symmetric spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 174, number 821 (first of 4 numbers)."
Nota di bibliografia	Includes bibliographical references (pages 227-230) and index.
Nota di contenuto	<p>""Table of Contents""; ""Introduction""; ""Chapter 1. A Class of Real Prehomogeneous Spaces""; ""1.1. A class of graded algebras""; ""1.2. Root systems""; ""1.3. Complexification""; ""1.4. Highest root in <math>I^F</math>""; ""1.5. The first step for the descent""; ""1.6. The descent""; ""1.7. Generic elements in <math>V^{(+)}</math>""; ""1.8. Structure of the regular graded algebra <math>(g, H^{(0)})</math>""; ""1.9. Properties of the spaces <math>E^{(i,j)}</math> (<math>p, q</math>)""; ""1.10. Normalization of the Killing form""; ""1.11. The relative invariant <math>I^{(0)}</math>""; ""1.12. The case <math>k = 0</math>""; ""1.13. Properties of <math>I^{(0)}</math>""</p> <p>""1.14. The polynomials <math>I^{(j)}</math>""</p> <p>Chapter 2. The Orbits of <math>G</math> in <math>V^{(+)}</math>; ""2.1. Representations of <math>sl(2, C)</math>""; ""2.2. First reduction""; ""2.3. An involution which permutes the roots in <math>E^{(i,j)(+1,+1)}</math>""; ""2.4. Construction of elements interchanging <math>I^{(i)}</math> and <math>I^{(j)}</math>""; ""2.5. Quadratic forms""; ""2.6. The <math>G</math>-orbits for Type III""; ""2.7. The <math>G</math>-orbits for Type II""; ""2.8. Signature of the quadratic forms <math>q_{x^{(i)}, x^{(j)}}</math>""; ""2.9. Action of <math>Z^{(G)}(I^{(+)})</math> for Type I""; ""2.10. The <math>G</math>-orbits for Type I""; ""2.11. The classification""</p> <p>""4.2. Two diffeomorphisms""</p> <p>""4.3. Isomorphisms between <math>g(1)</math>, <math>g(a \neq 1)</math>, <math>V^{(+)}(I)</math> and <math>V^{(-)}(a \neq 1)</math>""</p> <p>""4.4. A first normalization and its consequence""; ""4.5. A second normalization and its consequence"";</p>

""4.6. Integral formulas on  $V[\sup(+)]$  and  $V[\sup(-)]$ "; ""4.7. Fourier transform of a quadratic character""; ""4.8. A relation between  $T[\sup(-)]$  [sub(Ff)] and  $T[\sup(+)][\sub(f)]$ "; ""Chapter 5. Functional Equation of the Zeta Function for Type I and II""; ""5.1. Definition of the local Zeta functions""; ""5.2. Existence of a functional equation for (AN,  $V[\sup(+)]$ )""  
""6.5. Explicit functional equation for  $k = 0$ ""

---