



D-Modules and Spherical Representations. (MN-39)

By Frederic V Bien

Princeton University Press, United States, 2014. Paperback. Book Condition: New. 232 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****. The theory of D-modules deals with the algebraic aspects of differential equations. These are particularly interesting on homogeneous manifolds, since the infinitesimal action of a Lie algebra consists of differential operators. Hence, it is possible to attach geometric invariants, like the support and the characteristic variety, to representations of Lie groups. By considering D-modules on flag varieties, one obtains a simple classification of all irreducible admissible representations of reductive Lie groups. On the other hand, it is natural to study the representations realized by functions on pseudo-Riemannian symmetric spaces, i.e., spherical representations. The problem is then to describe the spherical representations among all irreducible ones, and to compute their multiplicities. This is the goal of this work, achieved fairly completely at least for the discrete series representations of reductive symmetric spaces. The book provides a general introduction to the theory of D-modules on flag varieties, and it describes spherical D-modules in terms of a cohomological formula. Using microlocalization of representations, the author derives a criterion for irreducibility. The relation between multiplicities and singularities is also...



READ ONLINE
[6.86 MB]

Reviews

This written publication is wonderful. It really is loaded with knowledge and wisdom You will not really feel monotony at at any time of your time (that's what catalogues are for relating to if you ask me).

-- **Desmond Becker**

Absolutely essential go through publication. I am quite late in start reading this one, but better then never. You will not feel monotony at at any time of the time (that's what catalogues are for regarding if you ask me).

-- **Ambrose Thompson II**

Other PDFs



Three Simple Rules for Christian Living: Study Book

Abingdon Press, United States, 2009. Paperback. Book Condition: New. 224 x 150 mm. Language: English . Brand New Book. Three Simple Rules for Christian Living by Jeanne Torrence Finley and Rueben P. Job This small-group study by Jeanne Torrence Finley is based...



History of the Town of Sutton Massachusetts from 1704 to 1876

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.This version of the History of the Town of Sutton Massachusetts from 1704 to 1876 is a labor...



Children s Rights (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 226 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



The Old Peabody Pew (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 224 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



Penelope s Irish Experiences (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 224 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



Dog Farts: Pooter s Revenge

Createspace, United States, 2013. Paperback. Book Condition: New. 224 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****.BONUS - Includes FREE Dog Farts Audiobook Inside! That s right.For a limited time you can download a FREE audiobook...