

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Record Nr.           | UNINA9910788872703321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Autore                  | Irving Ronald S. <1952->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Titolo                  | A filtered category OS and applications / / Ronald S. Irving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pubbl/distr/stampa      | Providence, Rhode Island : , : American Mathematical Society, , 1990<br>©1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ISBN                    | 1-4704-0842-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Descrizione fisica      | 1 online resource (131 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Collana                 | Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 83, Number 419                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Disciplina              | 512/.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Soggetti                | Verma modules<br>Semisimple Lie groups<br>Filtered modules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Note generali           | "January 1990, volume 83, number 419 (first of 6 numbers)."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di bibliografia    | Includes bibliographical references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Nota di contenuto       | <p>""CONTENTS""; ""I. INTRODUCTION""; ""1. INTRODUCTION""; ""1.1. Summary""; ""1.2. Filtered modules and filtered characters""; ""1.3. Projective and self-dual modules""; ""1.4. Overview of paper""; ""1.5. Acknowledgements""; ""II. THE HECKE MODULE""; ""2. THE SIMPLE AND VERMA BASES""; ""2.1. Kazhdan-Lusztig polynomials""; ""2.2. The Hecke module: four equivalent definitions""; ""2.3. The Hecke module: proof of equivalences""; ""2.4. Duality and the simple basis""; ""2.5. The Hecke algebra action""; ""3. THE PROJECTIVE AND SELF-DUAL BASES""; ""3.1. The projective basis""</p> <p>""3.2. Some elements of the Hecke algebra""""3.3. An involution of <math>M[\sup(*)]_{\text{sub}(s)}</math>""; ""3.4. A new self-dual basis""; ""4. THE SPECIALIZED HECKE MODULE""; ""4.1. Definitions""; ""4.2. Duality polynomials""; ""4.3. A Jantzen sum formula""; ""III. THE FILTERED CATEGORY <math>O_{\text{sub}(s)}</math>""; ""5. THE CATEGORY <math>O</math> AND TRANSLATION FUNCTORS""; ""5.1. The category and its Grothendieck group""; ""5.2. Translation functors""; ""6. THE FILTERED CATEGORY <math>O_{\text{sub}(s)}</math> AND TRANSLATION FUNCTORS""; ""6.1. Definition and basic properties of the filtered category""; ""6.2. Some important filtrations""</p> <p>""6.3. Translation functors on the filtered category""""IV. APPLICATIONS""; ""7. RADICAL FILTRATIONS OF GENERALIZED VERMA MODULES AND PROJECTIVE MODULES""; ""7.1. Radical filtrations of</p> |

generalized Verma modules""; ""7.2. Radical filtrations of projective indecomposable modules""; ""7.3. More on radical filtrations""; ""7.4. Rigidity of generalized Verma modules and projective modules""; ""8. SELF-DUAL PROJECTIVE MODULES AND THEIR FILTERED CHARACTERS""; ""8.1. Self-dual projective modules: review""; ""8.2. Filtered self-duality of certain projective modules""; ""8.3. Applications""  
""9. SELF-DUAL MODULES WITH A VERMA FLAG AND THEIR FILTERED CHARACTERS""""9.1. A class of self-dual modules with a Verma flag""; ""9.2. A category of self-dual modules""; ""REFERENCES""

---