

1. Record Nr.	UNINA9910481047203321
Autore	Garcia-Prada O (Oscar), <1960->
Titolo	Betti numbers of the moduli space of rank 3 parabolic Higgs bundles / / O. Garcia-Prada, P. B. Gothen, V. Munoz
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2007 ©2007
ISBN	1-4704-0483-4
Descrizione fisica	1 online resource (96 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 187, Number 879
Disciplina	514/.224
Soggetti	Vector bundles Moduli theory Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 187, Number 879 (end of volume)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Chapter 1. Introduction""; ""Chapter 2. Parabolic Higgs bundles""; ""1. Definitions and basic facts""; ""2. Deformation theory""; ""3. Parabolic Higgs bundles and gauge theory""; ""Chapter 3. Morse theory on the moduli space""; ""1. The Morse function""; ""2. Fixed points of the $S^1$ action on the moduli space""; ""3. Morse indices""; ""4. Rank three parabolic Higgs bundles""; ""5. Laumon's Theorem for parabolic Higgs bundles""; ""Chapter 4. Parabolic triples""; ""1. Definitions and basic facts""; ""2. Parabolic Higgs bundles and parabolic triples"" ""3. Extensions and deformations of parabolic triples""""Chapter 5. Critical values and flips""; ""1. Critical values""; ""2. Crossing critical values and universal extensions""; ""3. Flips""; ""Chapter 6. Parabolic triples with $r_1 = 2$ and $r_2 = 1$ ""; ""1. Flips""; ""2. Poincare polynomial of moduli of triples""; ""Chapter 7. Critical submanifolds of type (1,1,1)""; ""1. Description of the critical submanifolds""; ""2. The sum for fixed $I$ ""; ""3. The sum over $I$ ""; ""Chapter 8. Critical submanifolds of type (1,2)""; ""1. Description of the critical submanifolds"" ""2. Morse indices""""3. Critical submanifolds of type (1,1,1)""; ""4. Parabolic triples of fixed determinant""; ""5. Critical submanifolds of

type (1,2) and (2,1)"; "6. Critical submanifolds of type (3)"; "7. Betti numbers of the fixed determinant moduli space"; "Bibliography"

---