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cohomology, University of Copenhagen Algebra and Topology Seminar, January 2017 Curriculum Vitae, James C. Cameron, 1/3James C. Cameron - University of California, Los AngelesVideos . Thirty-Six Lectures on Equivariant Cohomology In the spring of 2017, I gave a series of thirty-six lectures on equivariant cohomology at National Taiwan University and National Center for Theoretical Sciences (NCTS), Taipei, Taiwan. Since NCTS had three

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 Equivariant Localization of Path Integrals  
 Richard J. Szabo Department of Theoretical Physics University of Oxford 1 Keble Road, Oxford OX1 3NP, U.K.  
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 Schwinger-Keldysh formalism II: Thermal equivariant cohomology  
 Felix M. Haehla, R. Loganayagamb, Mukund Rangamania  
 Department of Physics and Astronomy, University of British Columbia, 6224 Agricultural Road, Vancouver, B.C. V6T 1Z1, Canada.  
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 Nicholas Proudfoot Department of Mathematics, University of California, Berkeley, CA 94720  
 Abstract. We study an integration theory in circle equivariant cohomology in order to prove a theorem relating the cohomology ring of a hyperkahler quotient to the cohomology ring of Abelianization for hyperkahler ... -  
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 Cohomology of Stacks  
 $X_1$  are differentiable (i.e.,  $C^\infty$ ) manifolds, all structure maps are differentiable and source and target map are (differentiable) submersions. Two Lie groupoids  $X_1 \rightrightarrows X_0$  and  $Y_1 \rightrightarrows Y_0$  give rise to essentially the same stack, if and only if they are Morita equivalent, which means that there is a third Lie groupoid  $Z$   
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acts on a manifold  $M$ , the space  $M/G$  of orbits of the action is usually a singular space. Nonetheless, it is often possible to develop a 'differential geometry' of the orbit space in terms of Equivariant cohomology and the Cartan model Dept. of Mathematics • University of California, Berkeley • 970 Evans Hall #3840 • Berkeley, CA 94720-3840 USA • +1 (510) 642-6550 • +1 (510) 642-8204 Rajan Amit Mehta - University of California, Berkeley MATTHIAS FRANZ, University of Western Ontario Syzygies in equivariant cohomology for non-abelian Lie groups We extend the work of Allday-Franz-Puppe on syzygies in equivariant cohomology from tori to arbitrary compact connected Lie groups  $G$ . In particular, we show that for a compact orientable  $G$ -manifold  $X$  the analogue of the Chang-Skjelbred ... MATTHIAS FRANZ, University of Western Ontario Syzygies in ... The field of Schubert Calculus deals with computations in the cohomology rings of certain algebraic varieties, including flag varieties and Schubert varieties. In the equivariant setting, GKM theory turns multiplication in the cohomology ring of certain varieties into a combinatorial computation. This

dissertation uses combinatorial tools, including Billey's formula, to do Schubert calculus ... "Combinatorics of Equivariant Cohomology: Flags and ... Introduction to "Schubert varieties, equivariant cohomology and characteristic classes, IMPANGA15 volume" Jarosław Buczyński<sup>1</sup>, Mateusz Michałek<sup>2</sup> and Elisa Postingshel The volume This volume is a conclusion of the activities of IMPANGA in the years 2010–2015, Life and career. Holm graduated summa cum laude from Dartmouth College. Holm received her Ph.D. from the Massachusetts Institute of Technology in 2002 under the supervision of Victor Guillemin. She went on to a three-year postdoc at the University of California, Berkeley, before eventually joining the faculty at Cornell.. Awards and honors. In 2012, Holm became a fellow of the American ... *arXiv:math/0409305v1 [math.AT] 17 Sep 2004* There is also a definition of equivariant sheaves in terms of simplicial sheaves. Alternatively, one can define an equivariant sheaf to be an equivariant object in the category of, say, coherent sheaves. Linearized line bundles. A

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