Equivariant Stable Homotopy Theory

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Equivariant stable homotopy 1 *Daniel Isaksen - 1/3 Motivic and Equivariant Stable Homotopy Groups* 2 Categorical Aspects of Equivariant Stable Homotopy Theory **Motivic and equivariant stable homotopy group computations Isaksen** *Equivariant stable homotopy 4* Equivariant stable homotopy 2 *Jacob Lurie: Brauer Groups in Stable Homotopy Theory Equivariant stable homotopy 3 Stable Homotopy Theory I, Feb 26, 2019 Completion theorems in equivariant homotopy theory - Saul Glasman Mathematician Jacob Lurie, 2014 MacArthur Fellow* Lie Algebras and Homotopy Theory - Jacob Lurie An introduction to homology | Algebraic Topology | NJ Wildberger Topology \u0026 Geometry - LECTURE 15 Part 03/03 - by Dr Tadashi Tokieda Chromatic homotopy theory - Irina Bobkova *Computer Science and Homotopy Theory - Vladimir Voevodsky* Categorification of Fourier Theory Ivan Panin - 1/3 A Local Construction of Stable Motivic Homotopy Theory Ivan Panin 2/3 - A Local Construction of Stable Motivic Homotopy Theory Teena Gerhardt - 1/3 Algebraic K-theory and Trace Methods Daniel Isaksen - 2/3 Motivic and Equivariant Stable Homotopy Groups Dianel Isaksen - 3/3 Motivic and Equivariant Stable Homotopy Groups Global homotopy theory / Lecture 13: Global versus G-equivariant stable homotopy Global homotopy theory / Lecture 9: Equivariant homotopy groups of mO Jacob Lurie: Finiteness and Ambidexterity in K(n)-local stable homotopy theory (Part 1) Stable Homotopy Theory II, March 5, 2019

Urs Schreiber - Super p-Brane Theory emerging from Super Homotopy Theory

Connections between classical and motivic stable homotopy theory - Marc Levine*Equivariant Stable Homotopy Theory*
EQUIVARIANT STABLE HOMOTOPY THEORY 5 Isotropy groups and universal spaces. An unbased G-space is said to be G-free if X^H = ?whenever H 6= 1. A based G-space is G-free if X^H = ?whenever H 6= 1. More generally, for x ?X the isotropy group at x is the stabilizer G_x; given any collection Fof subgroups of G,

EQUIVARIANT STABLE HOMOTOPY THEORY
In mathematics, more specifically in topology, the equivariant stable homotopy theory is a subfield of equivariant topology that studies a spectrum with group action instead of a space with group action, as in stable homotopy theory. The field has become more active recently because of its connection to algebraic K-theory.

Equivariant stable homotopy theory - Wikipedia
Stable homotopy theory is made to give sense to cohomology theories with a strong geometric flavour, the very fundamental ones being cobordism and K-theory. These two examples need, as an input, the notion of (equivariant) vector bundle (equivariant vector bundle over the point are the finite dimensional representations of the group).

Equivariant Stable Homotopy Theory | The n-Category Café
Equivariant stable homotopy theory over some topological group G G is the stable homotopy theory of G-spectra. This includes the naive G-spectra which constitute the actual stabilization of equivariant homotopy theory , but is more general, one speaks of genuine G G -spectra .

equivariant stable homotopy theory in nLab

Equivariant Stable Homotopy Theory. Authors: Lewis, L. Gaunce Jr., May, J. Peter, Steinberger, Mark Free Preview. Buy this book eBook 50,28 € price for Spain (gross) Buy eBook ISBN 978-3-540-47077-9; Digitally watermarked, DRM-free; Included format: PDF; ebooks can be used on all reading devices ...

Equivariant Stable Homotopy Theory | L. Gaunce Jr. Lewis ...

Equivariant Stable Homotopy Theory. Authors; L. Gaunce Lewis Jr. J. Peter May; Mark Steinberger; Book. 150 Citations; 6.4k Downloads; Part of the Lecture Notes in Mathematics book series (LNM, volume 1213) Download book PDF. Chapters Table of contents (11 chapters) About About this book;

Equivariant Stable Homotopy Theory | SpringerLink

The stable homotopy category can be obtained from the category of orthogonal spectra by formally inverting the class of ?-isomorphisms. Now we get to the smash product of orthogonal spectra. We de ne a bimorphism b: (X;Y) ! Zfrom a pair of orthogonal spectra (X;Y) to an orthogonal spectrum Z as a collection of based O(p) O(q)-equivariant maps b p;q: X p^Y

LECTURES ON EQUIVARIANT STABLE HOMOTOPY THEORY Contents

Equivariant Stable Homotopy Theory Notes This repository holds lecture notes for Andrew Blumberg's class on equivariant homotopy theory at UT Austin in Spring 2017. This repo holds the source code, in.tex,.bib, and.cls files; the compiled PDF is available here.

Equivariant Stable Homotopy Theory Notes - GitHub

A first attempt to construct an equivariant stable homotopy theory would define the set of stable G-maps (G is finite) from X to Y to be the direct limit l& [Z"X, x" YJG, where the G-actions on Z"X and Z"_Y are obtained by directly suspending the actions on X and Y, and c-1 - 1' denotes G-homotopy classes of G-maps.

A SURVEY OF EQUIVARIANT STABLE HOMOTOPY THEORY

Akhil Mathew, Niko Naumann, Justin Noel Let be a finite group and let be a family of subgroups of. We introduce a class of -equivariant spectra that we call -nilpotent. This definition fits into the general theory of torsion, complete, and nilpotent objects in a symmetric monoidal stable -category, with which we begin.

Nilpotence and descent in equivariant stable homotopy theory

In mathematics, stable homotopy theory is that part of homotopy theory (and thus algebraic topology) concerned with all structure and phenomena that remain after sufficiently many applications of the suspension functor. A founding result was the Freudenthal suspension theorem, which states that given any pointed space.

Stable homotopy theory - Wikipedia

From this point on, classical techniques of equivariant stable homotopy theory enter the proof. These include the Wirthmuller• 7 isomorphism, geometric xed points, isotropy separation and the tom Dieck splitting. The central idea is to do induction on the order of subgroups and use the case of free G-spectra as the induction basis.

Rigidity in equivariant stable homotopy theory

stable homotopy theory by reading Lewis-May-Steinberger's book [LMS86] on equivariant stable homotopy theory and letting G = , but this may not appeal to everyone. In any case, perhaps this isn't

necessarily a good reference for nontrivial groups. Unstable equivariant questions are very natural, and somewhat reasonable.

Contents
Equivariant homotopy theory is homotopy theory for the case that a group G G acts on all the topological spaces or other objects involved, hence the homotopy theory of topological G-spaces. The canonical homomorphisms of topological G G -spaces are G G -equivariant continuous functions , and the canonical choice of homotopies between these are G G -equivariant continuous homotopies (for trivial G G -action on the interval).

equivariant homotopy theory in nLab
The stable versions of equivariant and motivic homotopy theory play important roles in the geometry of manifolds, algebraic cycles, and quadratic forms. Stable equivariant homotopy theory is the study of topological spaces equipped with a group action up to stable equivariant weak equivalence.

GALOIS EQUIVARIANCE AND STABLE MOTIVIC HOMOTOPY THEORY
The Banff International Research Station will host the "Equivariant Stable Homotopy Theory and p-adic Hodge Theory" workshop in Banff from March 1 to March 06, 2020. Algebraic topology has had a long and fruitful collaboration with algebraic geometry, with each providing techniques and problems to the other.

20w5217: Equivariant Stable Homotopy Theory and p-adic ...
A trivialization, or framing, of the normal bundle of M. The normal bundle of M^Rn+k+1is 11: NM R !M. The trivialization denes the same stable framing as .

Stable homotopy theory - Universitetet i oslo
The IHES 2020 Summer School on "Motivic, Equivariant and Non-commutative Homotopy Theory" will be held from 6 to 17 July 2020. This school is open to everybody but intended primarily for young participants, including PhD students and postdoctoral fellows.

Motivic, Equivariant and Non-commutative Homotopy Theory ...
This volume introduces equivariant homotopy, homology, and cohomology theory, along with various related topics in modern algebraic topology. It explains the main ideas behind some of the most striking recent advances in the subject.