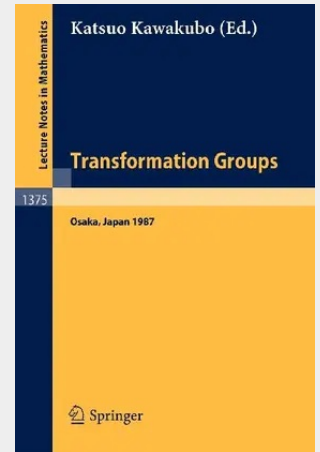


Transformation Groups

Proceedings of a Conference, held in Osaka, Japan, Dec. 16-21, 1987

A personal perspective of differentiable transformation groups.- Smooth $SL(2, \mathbb{C})$ actions on the 3-sphere.- "On finite domination and simple homotopy type of nonsimply-connected G -spaces".- Modification of linking in representation forms.- Linking in cyclic representation forms.- The abhyankar-moh problem in dimension 3.- The generalized whitehead torsion of a g fibre homotopy equivalence.- Circle actions on symplectic manifolds.- The isomorphism class of a representation of a compact lie group is determined by the equivariant simple-homotopy type of the representation.- The equivariant whitehead torsions of equivariant homotopy equivalences between the unit spheres of representations of cyclic groups.- On the characteristic numbers of unitary semi-free S^1 -manifolds.- Conformal circle actions on 3-manifolds.- Untwisted deformation-spun knots: Examples of symmetry-spun 2-knots.- On some abelian complex reflection groups.- G -s-cobordism theorems do not hold in general for many compact lie groups G .- Congruences for the burnside ring.- The pontrjagin numbers of an orbit map and generalized G -signature theorem.- Seifert manifolds modelled on principal bundles.- Equivariant pseudo-isotopies and $K?!$.- A product formula for connected sum.- Most of the standard spheres have one fixed point actions of A_5 .- Semilinear G -spheres and homotopy representation groups.- Connective K -theory of elementary abelian groups.- Normal representations over the connected components of fixed point sets.- Realization of the symmetry groups of links.- Pontryagin numbers and periodic diffeomorphisms of spheres.- Actions by isometries.- Free actions by p -groups on products of spheres and yagita's invariant $po(G)$.- On extensions of non-linear actions on spheres.- Symmetries of simply-connected four-manifolds, especially algebraic surfaces.- The ring structure of $U^*(\mathbb{Z}_p)$.- Fixed-point free $SU(n)$ -actions.

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