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**C Joanna Su\*** ([jsu@providence.edu](mailto:jsu@providence.edu)), 549 River Avenue, Dept. of Mathematics and Computer Science, Providence College, Providence, RI 02918. *On Relative Homotopy Groups of Modules.*

In the search for the analogy between the relative homotopy groups in module theory and those in topology, we analyze their phenomena through various cases. Ultimately we pursue the possibility of developing parallel concepts on fibration/cofibration in module theory corresponding to the existing theorems in algebraic topology. (Received September 29, 2005)