1046-18-1839   **C. Joanna Su*** (`jsu@providence.edu`), 549 River Avenue, Providence College, Dept. of Mathematics and Computer Science, Providence, RI 02918. *Further Remarks on Fibration and Cofibration in Module Theory.*

Peter Hilton established the homotopy theory in module theory, which was parallel to the existing homotopy theory in topology, in the late 1950s. In an earlier paper, "Fibration and Cofibration in Module Theory," we defined the analogs of fibration and cofibration in module theory to those in topology. Especially, we proved the existence of the homotopy exact sequence of a fibration in module theory and its dual, the homotopy exact sequence of a cofibration in module theory. Ultimately, there are two sets of fibration and cofibration in module theory. In this talk, we discuss the other set, whose existence turns out to be automatic and has long been hidden in two known exact sequences. (Received September 17, 2008)

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