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Craig C. Westerland* (cwesterl@umich.edu), Department of Mathematics, University of Michigan, 2074 East Hall, Ann Arbor, MI 48109-1109. *Stable splittings of mapping spaces.*

We will discuss the homotopy theory of some function spaces whose domain is a Riemann surface. In particular, we will describe some new stable decompositions of these spaces into finite spectra. These splittings include precise descriptions of the stable summands, which are constructed from Brown-Gitler spectra. (Received February 17, 2004)