

Meeting: 1005, Newark, Delaware, SS 1A, Special Session on Homotopy Theory (in Honor of Donald M. Davis's and Martin Bendersky's 60th Birthdays)

1005-55-170 **Mark Mahowald*** (mark@math.northwestern.edu), Mathematics Department, Northwestern University, Evanston, Illinois 60208. *The construction of v_2^{32} periodic maps.*

Let $M(1, 4)$ be the cofiber of the v_1^4 map between two mod 2 Moore spaces. In this note we construct a map $\Sigma^{192} M(1, 4) \rightarrow M(1, 4)$ which is detected in BP_* by v_2^{32} . (Received February 08, 2005)