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**Mark Behrens\*** ([mbehrens@math.mit.edu](mailto:mbehrens@math.mit.edu)), MIT Dept of Mathematics, 77 Massachusetts Ave, Room 2-273, Cambridge, MA 02139, and **Michael J Hopkins**. *On the relationship between  $EO_n$  and  $TAF$ .*

It is well know that for  $p = 2$ , the  $K(1)$ -localization of  $KO$  is  $EO_1$ , and for  $p = 2, 3$ , the  $K(2)$ -localization of  $TMF$  is  $EO_2$ . When does the  $K(n)$ -localization of  $TAF$  contain a factor of  $EO_n$ ? We will provide a complete answer. (Received August 28, 2009)