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**George Pappas** and **Haoran Wang\*** ([wanghaoran@math.msu.edu](mailto:wanghaoran@math.msu.edu)). *On the mod  $p$  cohomology of Lubin-Tate space.*

We calculate the action of pro- $p$ -Iwahori-Hecke algebra on the mod  $p$  cohomology of Lubin-Tate space. We also discuss the relation with mod  $p$  local Langlands correspondence for  $GL_2(F)$ , where  $F$  is a finite extension of  $Q_p$ . (Received February 06, 2017)