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Nigel Boston* (boston@math.wisc.edu), Department of Mathematics, University of Wisconsin, Madison, WI 53706, and **Michael R. Bush** and **Farshid Hajir**. *Heuristics for p -class towers*. Preliminary report.

In previous work the authors developed heuristics for the Galois group of the p -class tower of K as K runs through imaginary quadratic or real quadratic fields (p an odd prime). We now report on investigations and possible heuristics for more general families of fields K . In particular we consider in detail the case of K a cyclic cubic field (where p is a prime other than 3). (Received February 18, 2018)