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Zijin Li and **Qi S Zhang*** (qizhang@math.ucr.edu), Riverside, CA 92521. *Regularity of Weak Solutions of Elliptic and Parabolic Equations with Some Critical or Supercritical Potentials.*

We prove Holder continuity or differentiability of weak solutions of uniformly elliptic and parabolic equations with power like potentials which scales critically or super-critically. This is a joint work with Li Zijin. (Received September 04, 2017)