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Taixi Xu* (txu@spsu.edu), Southern Polytechnic State University, 1100 S Marietta Parkway,
Marietta, GA 30060. *Peakons of b-family and Qiao Equations*. Preliminary report.

In this paper, we try to find all possible peakons of b-family and Qiao's equations. When $b=2$ and $b=3$ we have the Camassa Holm's equation and DP equation, respectively. The formula for general peakons are given, and some special peakons are analyzed. (Received September 22, 2009)