1057-32-87   **Adam Coffman*** (`CoffmanA@ipfw.edu`), Department of Mathematical Sciences, IPFW, 2101 E. Coliseum Blvd., Fort Wayne, IN 46805-1499, and **Yifei Pan** (`Pan@ipfw.edu`). *Counterexamples to upper semicontinuity of the Kobayashi-Royden pseudonorm for rough almost complex structures.*

For each $\alpha \in (0,1)$, we construct a manifold with an α-Hölder continuous almost complex structure, such that the Kobayashi-Royden pseudonorm is not upper semicontinuous. This generalizes an example due to Ivashkovich, Pinchuk, and Rosay, with $\alpha = \frac{1}{2}$. The main idea in the construction is an analysis of complex valued functions f on the unit disk satisfying $\partial f / \partial \bar{z} = |f|^\alpha$. (Received January 09, 2010)

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