1014-54-816 **Warren Wm. McGovern*** (warrenb@bgnet.bgsu.edu), Department of Math. & Stats., Bowling Green State University, Bowling Green, OH 43403, **Wolf Iberkleid** (wiberkleid@hotmail.com), La Paz, Bolivia, and **Ramiro Lafuente-Rodriguez** (ramiro_lafuente@yahoo.com), La Paz, Bolivia. *The regular topology on $C(X)$, I.* Preliminary report.

We define a new topology on $C(X)$ and investigate its properties. We call this topology the *regular topology* (or r-topology for short) on $C(X)$ and denote it by $C_r(X)$. This topology is finer than the m-topology, which in turn is finer than the uniform topology. We investigate and determine for which Tychonoff spaces X, $C_r(X)$ has specific topological properties. In particular, we shall discuss when this topology is first countable and make an attempt at characterizing the character of $C_r(X)$. The answers are somewhat more complex than for the m-topology on $C(X)$.

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