Robert Raphael*, 7141 Sherbrooke W., Montreal, Quebec H4B 1R6, Canada. Examples of absolute CR-epic topological spaces.

We are interested in examples of Tychonoff spaces $X$ with the property that for each compactification $K$ of $X$, the induced mapping $C(K) \to C(X)$ is an epimorphism in the category of rings. Locally compact Lindelof spaces have this property, as do Lindelof P-spaces. We present some recent examples of these spaces, in work which is joint with M. Barr and J. Kennison. (Received September 05, 2005)