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Introducing π -Base: An Interactive Encyclopedia of Topological Spaces.

Is every first countable, separable space also second countable? π -Base currently produces twelve topological spaces that contradict this seemingly plausible claim. Standing on the shoulders of Lynn Arthur Steen and J. Arthur Seebach, Jr.'s superb text *Counterexamples in Topology*, π -Base offers users powerful search, automated deduction, and collaboratively-edited proof. The purpose of this presentation is to demonstrate the features of the website and reflect upon how it can enrich your course in general topology. Even if you cannot attend, we hope you will sign up for a free account at <http://topology.jdabbs.com> to see how you and your students can learn from and contribute to the project. (Received August 28, 2014)