1044-37-157   **James E Keesling*** (`kees@ufl.edu`), Department of Mathematics, University of Flordida, P.O Box 118105, Gainesville, FL 32611-8105, and **Louis Block**, **Brian Raines** (`Brian_Raines@baylor.edu`) and **Sonja Štimac** (`sonja@math.hr`). *Isotopies in Inverse Limit Spaces.* Preliminary report.

Let $f_s(x) = \min\{s \cdot x, s \cdot (1-x)\}$ on $[0,1]$. This is the *tent map* with slope s. Let (I, f_s) be the inverse limit of the inverse system $\{I, f_s\}_{i=1}^{\infty}$.

There is a standard homeomorphism on (I, f_s) called the *shift map*. We show that under certain conditions that every homeomorphism on (I, f_s) is isotopic to a power of this shift map. This says a great deal about the structure of the homeomorphism group of (I, f_s). The proof gives insights into the structure of (I, f_s) as well. (Received August 30, 2008)

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