

[Ruiz del Portal, Francisco R.](#); [Salazar, José M.](#)

**Fixed point index of iterations of local homeomorphisms of the plane: a Conley index approach.** (English) [Zbl 1009.54043](#)

[Topology](#) 41, No. 6, 1199-1212 (2002).

The authors introduce special index pairs, defined as filtration pairs, for a non-repeller fixed point “ $p$ ” of a local homeomorphism  $f$ . These pairs allow to compute easily the fixed point index of any iteration of  $f$  at the point  $p$ , provided that the singleton “ $p$ ” is an isolated invariant set.

Reviewer: [Salvatore Sessa \(Napoli\)](#)

**MSC:**

[54H25](#) Fixed-point and coincidence theorems (topological aspects)

[54H20](#) Topological dynamics (MSC2010)

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