

## Mathematics &gt; Complex Variables

# On homeomorphisms with finite distortion in the plane

D. Kovtonyuk, I. Petkov., V. Ryazanov

*(Submitted on 15 Nov 2010 (v1), last revised 18 Nov 2010 (this version, v2))*

It is shown that every homeomorphism  $f$  of finite distortion in the plane is the so-called lower  $Q$ -homeomorphism with  $Q(z)=K_f(z)$ , and, on this base, it is developed the theory of the boundary behavior of such homeomorphisms.

Comments: 16 pages, 2 figures, the proof of Theorem 3.1

Subjects: **Complex Variables (math.CV)**

MSC classes: Primary 30C65, Secondary 30C75

Cite as: [arXiv:1011.3310v2](https://arxiv.org/abs/1011.3310v2) [math.CV]

## Submission history

From: Vladimir Ryazanov [[view email](#)]**[v1]** Mon, 15 Nov 2010 08:45:07 GMT (47kb)**[v2]** Thu, 18 Nov 2010 13:28:55 GMT (46kb)*[Which authors of this paper are endorsers?](#)*

## Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

**math.CV**[< prev](#) | [next >](#)[new](#) | [recent](#) | [1011](#)

Change to browse by:

[math](#)

## References & Citations

- [NASA ADS](#)

## Bookmark([what is this?](#))

