

Continuous bijection (not necessarily homeo)

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Hi! My problem is:

Show that there is no continuous bijection from $\{z \in \mathbb{C} \mid |z| < 2\}$ to $\{z \in \mathbb{C} \mid |z| < 2 \text{ and } z \text{ is not in } [-1,1]\}$.

(here the real interval $[-1,1]$ is considered as a subset of \mathbb{C})

TIA

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