



# A Short Note on Mapping Cylinders

[Alex Aguado](#)

(Submitted on 6 Jun 2012 (v1), last revised 13 Jul 2012 (this version, v2))

Given a homotopy equivalence  $f$  between two topological spaces we assemble well known pieces and unfold them into an explicit formula for a strong deformation retraction of the mapping cylinder of  $f$  onto its top.

Comments: 5 pages, 2 figures

Subjects: **Algebraic Topology (math.AT)**

Cite as: **arXiv:1206.1277 [math.AT]**

(or **arXiv:1206.1277v2 [math.AT]** for this version)

## Submission history

From: Alex Aguado [[view email](#)]

**[v1]** Wed, 6 Jun 2012 17:01:08 GMT (6kb)

**[v2]** Fri, 13 Jul 2012 15:48:22 GMT (7kb)

*[Which authors of this paper are endorsers?](#)*

Link back to: [arXiv](#), [form interface](#), [contact](#).

## Download:

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

Current browse context:

math.AT

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1206](#)

Change to browse by:

[math](#)

## References & Citations

- [NASA ADS](#)

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

