

9/2/2015 – Concerning the theorem on slide 7:

I have since found an error in the proof of this theorem, which prevents the argument from working in the case that  $\mathcal{F}$  is nonempty. The argument can be salvaged by imposing certain strong conditions on  $\mathcal{F}$ , but the general case is still unclear. The theorem is true when  $\mathcal{F} = \emptyset$ , which is the focus of slide 8.

The only other affected part of the slides is the third example of slide 9 (metric spaces omitting triangles of odd perimeter), which are the motivation for considering nonempty  $\mathcal{F}$ . I tentatively believe that these will satisfy the conditions on  $\mathcal{F}$  under which the theorem still works. The argument is part of a forthcoming preprint, *Extending partial isometries in generalized metric spaces*.

Update: 9/17/2015 – The preprint is now available: [arxiv.org/abs/1509.04950](https://arxiv.org/abs/1509.04950).