

## Lecture 8 Summary

Fri 08/08/14

### Vocabulary

- \* connected component
- \* interval

### Example

#### CONNECTED COMPONENTS

Let  $X = \mathbb{R} \setminus \{0\}$  with usual topology as a subspace of  $\mathbb{R}$ .

The connected components of  $X$  are  $(-\infty, 0)$  and  $(0, \infty)$ .

### Homework

(None)