

## Signed Measure Examples

## 1 Why

Let us consider examples of signed measures. TODO

## 2 Examples

Consider an integrable function defined on some measurable space. The extended-real-valued function which assigns to each distinguished set the value of the integrating the function over that set is a signed measure.

**Example 1.** Let  $(X, \mathcal{A}, \mu)$  a measure space.