

## MATH 5202 - HOMEWORK 5

- (1) Verify that the function whose graph is the so-called Devil's staircase is singular (i.e. that  $f$  is continuous a.e., that  $f' = 0$  a.e.,  $f$  is not constant).
- (2) Section 2 of Royden: 18, 24, 26, 36.