

Theory of Computation, CSCI 438 spring 2022
Cantor's Diagonalization Method (the existence of an uncountable set), 202-207
April 18

1. Prove Theorem 4.17: The real numbers are uncountable. (page 205)

2. Use Cantor's Diagonalization technique to give another proof that A_{TM} is not decidable. That is, there is not a decider for A_{TM} .