

MATH 424 – SPRING 2021 – Assignment # 1 comments

Exercise 5.8¹, p.155

This exercise deals with complex measures, which we haven't discussed at length last semester. Accordingly, you may replace “complex measures” by “finite signed measures”.

Addressing the complex case will be “extra credit”, and if you do so, you may use without proof all the results from section 3.3. Note that the definition of total variation for complex measures is stated there in a somewhat verbose manner.

¹Exercises being numbered by chapter, this is Exercise 8 in Chapter 5.