

MA 713
Reading and Exercises
Week ending April 6

Reading:

Class 30 (4/2): Ahlfors pp. 175–178

Class 31 (4/4): Ahlfors pp. 179–184

Class 32 (4/6): Ahlfors pp. 184–186

Exercises to be submitted for grading on Friday, April 13:

One leftover exercise

Ahlfors Exercise 1 on p. 161

Class 30 (4/2):

Ahlfors Exercise 2 on p. 178

Additional Exercise 8: Prove the following lemma that was mentioned in class:

Lemma: To establish uniform convergence on compact subsets for a family of functions f_n converging to a function f on a region Ω , it suffices to show uniform convergence on all closed disks contained in Ω .

Class 31 (4/4):

Ahlfors Exercise 5 on p. 184

Class 32 (4/6):

Ahlfors Exercise 4 on p. 186