Absolute and Conditional Convergence

Reading

Section 11.4

Problems

- Practice Problems: 11.4 1, 2, 5, 7, 11, 13, 17, 23, 37
- Problems to turn in: 11.4 12, 22, 26, 30
- Challenge (optional): 11.4 42, 43

Topics to know

1. When do we say a series converges *absolutely*?
2. Absolutely convergent series is also convergent (theorem 1).
3. When do we say a series is *conditionally convergent*?
4. Alternating Series (Leibniz) test (theorem 2).
5. Estimate for difference between limit and series (theorem 3).
6. Example 5 (alternating harmonic series).