

Assignment

1. What is a conditional convergence?
2. How does a conditional convergence differ from absolute convergence?
3. Give an example of a conditionally converging series?
4. What is an alternating series test and how does it relate to the conditional convergence?
5. What are conditionally convergent series important in mathematics?
6. How can you determine if a given series is conditionally convergent?
7. Can conditionally convergent series be rearranged to sum to any value?
8. What is the ratio test and how is it used to determine the convergence of a series?
9. How can the integral test be applied to determine the convergence of a series?
10. What is the importance of the n th term test in the study of series convergence?
11. What is the definition of convergence for a series of real numbers?
12. What is the Cauchy Criterion for the convergence of a series?