

MATH 926

12. E (-1)h+1 ne a = nk = conserges with alternating series test

16. 2 n cos (n T) an = In Deonverges with alternatur series test

18. \(\frac{\xi}{\pi} \left(-1)^n cos(\frac{\pi}{n}) \) \(\frac{\pi}{\pi} \) \(\frac{\pi}{\pi

26. $\frac{2}{n} \left(\frac{-1}{n} \right)^n \left(\frac{1}{n} + \frac{$

 $|P_n| \leq \frac{1}{n_n^{n+1}} \leq 0.000005 \quad (n+1)^{n+1} > 0.00005$ $(n+1)^{n+1} > 20,000 \quad (n=5)$ $-\frac{1}{1} + \frac{1}{4} - \frac{1}{27} + \frac{1}{256} - \frac{1}{3125} = 0.78$