0 Lecture 4 Absolute envergence & anditional Convergen IRI : Janus ac if Elan converges · Ean is AC = 50n is corregal not absolutely omegant. 1cc 0 1+2-3+ 4-+ I am. 7 7 hrs. 1+2-3 th converges. but Eller & hamon's somes solive Site 2 (-12) n+2 convergent =) Absolut. coneyet. Se / 1 / nº/ convergent 4) Power sories ICAY - astaxt ... + GAX" Σα, (x-x) - aot a (x-x) + ··· + a(x-x) Domain of Pour sories. from = Zan(AX) is the sol 11 of 5 for which & fis) converges. Interval of convergent.

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 5) Germetric Series. 9 One and 59.an ansa, 9 Sn = $a_1 + a_2 + \cdots + a_n = |a_1| \frac{1-q^n}{1-q}$ Sn = $\sum_{n=0}^{\infty} a_n = a_1 \sum_{n=0}^{\infty} a_n$ When $n \to \infty$ Sn = $\sum_{n=0}^{\infty} a_n = a_1 \sum_{n=0}^{\infty} a_n$ Sn = $\sum_{n=0}^{\infty} a_n = a_1 \sum_{n=0}^{\infty} a_1$ Sn = $\sum_{n=0}^{\infty} a_1 = a_1$ Sn = $\sum_{n=0}^{\infty} a$ Ex: 1+x+ x2+x3+... 01=1, C2=a,q, 03-a,q. $S_1 = \frac{1}{1-q} = \frac{1}{1-x} = \frac{x}{x}$ Converges to X-1 1x1</br>

divergent.
1x1x1