by Alternating Jeries less, series converges.	
but 5 pu all u / +(x) < 0 for x-1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
• $f(x) = \frac{1}{4x^2+1}$ so $b_N = \pm (w)$. $f'(x) = (-1)(4x^2+1)(8x)$	
o lim by = 0	
<i>b</i> _x ≥ 0	
8	Note Title
11-05	

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			Diversing Test series diverges) and does not convert to zero	However an > 1 if h is odd and an >-1 if h is even	May as	But lim b. = 1 but zero. Can't use A.S. Test.	-	[(-1)n-1 n Im bn = n alternating sinces

	-	By Alt. Senies Trut, converges.	$f'(x) < 0$ for $x \ge 1$ $\Rightarrow b_{M+1} \le b_M$		$f(\kappa) = e^{i\kappa} + f'(\kappa) = \times e^{i\kappa} (-\frac{1}{\kappa^2}) - e^{i\kappa} (1) + N$	M OOFM	e/h	M= 1	1) 02, , m-1 p/m alternating, b= c/m	M = 1	$\frac{E_{X}}{E_{X}} \lesssim cos(NTI) \frac{e^{1/n}}{N}$ Remember $cos(NTI) = (-1)^{n}$

