Bir bakista yakinsak mi iraksak mi sayleyecegimiz

- 1 Geo. Seri: \(\sum_{n=1}^{\infty} a.r^{-1} \sum_{|r|\leq 1} = \gamma \langle \langle
- 3 Daha genel 20 1 P>1 + Yaknsak P-serisi: 20 1P+0 > PE1 + Iraklak (a: bir sayı)

&K Sodece n'nin kurvetlerini iceren kesirli bir genel terine sahip serinin yakınsaklığını izlemsiz belirleme:

R(n) = P(n) olmak üzere ER(n) karakterini belirlerken:

- (1) P(n) > Payin ve paydanin en bûyûk derecesini belirle
- Poyin derecesi > Paydonin derecesi =1 Seri iraksak (n. Terim

Paydanin derecesi - Payin derecesi >1 =1 Seri yakinsak (Limit Testinden; payve paydanin derecesini

egitlemek ifin poloton yokinsok seri seceriz حتمدتا

Paydanin derecesi-Payin derecesi (1 =1 Seri iraksak (Yine Limit Testinden)

Orner;

 $\frac{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}}{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}} = \frac{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}}{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}} = \frac{\sum_$

Der (-11). 1 Del =1 Seri Mutlak Yaknsak

$$\frac{\partial rnek.}{\sum_{n=1}^{\infty} \frac{c_{-11}^{n}}{\sqrt{n_{+1}}} \rightarrow P_{=} \frac{1}{2} < 1 \qquad \sum_{n=1}^{\infty} \frac{c_{-11}^{n}}{\frac{c_{-1}^{2} + 3n_{+1}}{\sqrt{n_{+1}}}} \qquad \sum_{n=1}^{\infty} \frac{c_{-11}^{n}}{\sqrt{n_{+2}}} \begin{pmatrix} A_{1} + e_{-n}e_{-n} \\ + e_{-n}e_{-n} \end{pmatrix}$$

$$\sum_{n=1}^{\infty} \frac{c_{-11}^{n}}{\sqrt{n_{+1}}} \rightarrow P_{=} \frac{1}{2} < 1 \qquad \sum_{n=1}^{\infty} \frac{c_{-11}^{n}}{\sqrt{n_{+1}}} \begin{pmatrix} A_{1} + e_{-n}e_{-n} \\ + e_{-n}e_{-n} \end{pmatrix}$$

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