24.05.2\
newo: Typuznaku cxaguwacnu rucualisex pagal
$\sum_{n=1}^{\infty} d_n \sum_{n=1}^{\infty} d_n d_n \leq 0$
Theoperia: Ean, an 30 cocognimal <=> Sn agranuration abeliancy
$\sum_{n=0}^{\infty} d_1 + a_2 + + a_m $ $\sum_{n=0}^{\infty} d_1 + a_2 + + a_m $
$\frac{1}{S_n - S_n p \{S_n\}} = \frac{1}{S_n}$
Emos sup}
Theorema $f(x) \ge 0$, $f(x) \setminus \text{ tot } [p; +\infty]$, morga
$\int_{P} f(x) dx \text{cscognimes} \text{uni poissognimes} \sum_{n=1}^{\infty} f(n)$
Bozswien n X n X n X N N N N N N N N N
$\sum_{n=p}^{p+m} f_n = \int_{n}^{n+1} f(n) dx \ge \int_{n}^{p+m} f(n+1) dx = \sum_{n=p}^{p+m} f(n+1) $ $= \sum_{n=p}^{n+1} f(n) dx \ge \int_{n}^{p+m} f(n+1) dx = \sum_{n=p}^{p+m} f(n+1) $ $= \sum_{n=p}^{p+m} f(n+1) dx = \sum_{n=p$
$\sum_{n=p}^{p+m} \int_{n}^{h+l} f(x) dx = \int_{n}^{h+l} f(x) dx = \int_{n}^{h+2} f(x) dx = \int_{p}^{p+m} f(x) dx + \sum_{p}^{p+l} f(x) dx$
$S(p,p+m) \ge \int_{p}^{p+m} f(x) dx \ge S(p,p+m)$ $= \sum_{n=1}^{\infty} \sum_{n=1}^{\infty} f(x) dx \ge S(p,p+m)$
where $= \frac{1}{2} \cos \frac{1}{2$
To many muznowy nomino uccuegobamo
$ \begin{cases} \frac{dx}{x^{d}} & \sum_{n=1}^{\infty} \frac{1}{n^{\alpha}} \\ \cos x, d > 1 \end{cases} $ $ \begin{cases} \cos x, d > 1 \end{cases} $ $ \cos x + \sum_{n=1}^{\infty} \frac{1}{n} \operatorname{pacox}_{x} d = \sum_{n=1}^{\infty} \operatorname{pacox}_{x} d = \sum_{n=1}^{\infty} \frac{1}{n} \operatorname{pacox}_{x} d = \sum_{n=$
$\begin{cases} csc, d>1 \\ pacsc, d\leq 1 \end{cases} $ $\sum_{n=1}^{l} rn $ $\sum_{n=1}^{l} rsc.$
Th. Typuznour $0 \le 0 \le b^*$ uz $\cos - 0$ i $\ge b_n \ge \cos - \infty$ $\ge d_n$ uz $pacsc. \ge d_n \ge pacsc \ge b_n$
Macmer. Cymun $\geq b_n$ oyr. $(cx. \geq b_n)_{\geq 0}$ oyr. $\geq a_n \geq 0$ $\leq a_n \geq 0$
Edn parcx => notemn. cynnol Ean recyn. ≥> Zbn rucyn. ≥> Zbn parcx.
Eau zouverums $\#$ to $\frac{d_{n+1}}{d_n} \leq \frac{b_{n+1}}{b_n}$, mo pop. the uzwerumce
$\int \frac{d_2}{d_1} \leq \frac{b_2}{b_1}$
$\frac{\alpha_3}{\alpha_2} < \frac{\beta_3}{\beta_2} \dots \frac{\alpha_{n+1}}{\alpha_n} < \frac{\beta_{n+1}}{\beta_n}$ $\frac{\alpha_{n+1}}{\alpha_n} < \frac{\beta_{n+1}}{\beta_n}$
$\sqrt{a_1} \approx \sqrt{b_1}$ $\sqrt{x} \approx \sqrt{2} \approx \sqrt{2} \approx \sqrt{p_1} = \sqrt{p_2} = \sqrt{p_3} = \sqrt{p_4} $
Theorema (nyunzmoure apalemente le npegentation apapure): $a_n >0$, $b_n >0$
lim dn = k, k ≠0, $\infty \ge a_n \sim \ge b_n$ N====================================
$\left \frac{\Omega_n}{\theta_n} - k \right < \mathcal{E}$ c nexample on $\varepsilon = \frac{k}{2}$ $k > 0$
K<0,<\frac{3}{3}kbn V. unoncercue na Koncomolnmy
$\frac{2}{2}$ < $\frac{3}{2}$ kbn $\frac{3}{2}$ kbn $\frac{3}{2}$ kbn
$\frac{\sqrt{n+2}}{\sum_{n=1}^{\infty} \sqrt{n+2}} = \frac{\sqrt{n+2}}{n^2+7} = \frac{\sqrt{n}}{n^2} = \sqrt{\frac{1}{n^{1/5}}} = $
$\leq \frac{\sqrt{n+2}}{h}, \leq \frac{1}{\sqrt{n}} 0,5 > \text{pocce.}$
$\underset{h=1}{\overset{\sim}{\sum}} t_9 \xrightarrow{h^3} t_9 d \sim d(\overline{0.u}) t_9 \xrightarrow{h^3} \sim \frac{1}{h^3}$
$\sum_{h=1}^{\infty} t^{g} h^{3} \qquad \sum_{n=1}^{\infty} cos \frac{1}{h^{2}} \qquad cos 0 = 1$ Herox. Now the bounders
Theopena (nyugrax Denambera 6 absurrai popul): 1) Eau an>0, $\frac{a_{n+1}}{a_n} < 1, 9 < 1, \text{ mo } \geq a_n \cos 2$. 2) Eau $\frac{a_{n+1}}{a_n} > 1, \text{ mo } \geq a_n \text{ pacae}$.
chapterine c recommunication morpeccien
$6n = q^n$ $6n = q^n$ $6n = q$
2) $a_{n+1} \ge a_n \ge a_1$, $a_1 \ge pacce \ge a_n$ polar. $a_{n+1} \ge a_n \ge a_1$, $a_1 \ge pacce \ge a_n$ polar.
Megrena (njugnax Denambera B njegenmon opopul):
Oln >0, lim ant =9, 9<1 => coc 9>1 => pacoc.
$ ightharpoonup$ q q+1 Hercomophul Howlpa $\frac{a_{n+1}}{a_n} < a_1 < 1 \ge > \le a_n \cos .$
9 > 1 Ohn > 0, > 1 observeur muznar Devandena
nobnoprem muzion Devandend (10 znaram)
Tight C mongloristemm chandement (no znaram) \[\gamma \text{on} \coc-ce, mo \text{prof} \coc-ce advantamento} \]
Ean ex-ce, no re adocutemes, no per ex-ce yerobre Theopena (Ean per exegunce adocutemes => on ex-ce
Cim Sn = S rucio. Kyumepun \E >0 FN \tan > N, \tan pe N
\ Jn+1 Jn \ C
$\left \sum_{k=n+1}^{n+p} \alpha_k \right < \mathcal{E} < > coc \sum_{k=1}^{\infty} \alpha_k$
$\left \sum_{k=k+1}^{n+p} d_k \right \le \sum_{k=n+1}^{n+p} d_k \le \left \sum_{k=n+1}^{n+p} d_k \le \sum_{k=n+1}^{n+p} d_k \le \left \sum_{k=n+1}^{n+p} d_k \le \sum_{k=n+1}^{n+p} d_k \le \left \sum_{k=n+1}^{n+p} d_k \le $
Brownerepegyrousuece page $\sum_{n=1}^{\infty} (-1)^n b_n, b_n > 0$
$\sum_{n=1}^{\infty} \frac{(-i)^{n+1}}{n} \sum_{n=1}^{\infty} (-i)^n \cdot n \text{ resolut. Nyugnoux } \lim_{n \to \infty} d_n \neq 0$ mo pag cx .
Энакочередующийся ряд, у которого сноимение по модумо менеточно убиванот и неумо напульанот редом
$b_n \ge b_{n+1}$ $\lim_{n\to\infty} b_n \ge 0$ $b_n \ge a_n $
There was (muse devictiones). Brancie nea Tenoquina excel u ero acmamor no magyino rel
njebocxogum nephoro emapacinemoro cuaralemal
$\geq \frac{(-1)^{n}(n+2)}{n+5} \lim_{n\to\infty} \frac{ \dim(d_n) \neq 0}{ \dim(a_n) \geq 1} \sup_{n\to\infty} \infty$
$\geq (-1)^n t_0 t_0 t_0 \cos \alpha $ $\geq (-1)^n \cos t_0 t_0 \cos \alpha$
p where $0 \leq b_n - (b_{n+1} - b_{n+2}) \dots (b_{n+p-1} - b_{n+p}) \leq b_n$ $\left \sum_{k=n}^{n+p} (-i)^k b_k \right \leq b_k \qquad p \to \left \sum_{k=n}^{\infty} (-i)^k b_k \right \leq b_n \qquad \text{ocm.} \to 0$ pairs -c.
K=N 00mamor