

Равномерная непрозывность Henr - + UX 06 I VEDO 3500: 420 US(x0) - 1 F(x1-F(x0) LE UE >0 3500: 4x, x" = U5(x) - | F(x") - F(x) / = E f(x) наз ровномерно миреривной на I, если UE>0 3800 Vx', x" & I: 1x"-x'128 60 / FIX" - FIX"/< E Re P.H: 3800 Von 3x', x'et 1x"-x'1-6 L, 18(x')-f(x)/38 NI Fixl= x UE= 35-6: V x', x' eR : |x"-x'| εδ L | F(x*) - F(x*) = |x"-x'| εδ=ε fix = IX 13x">x' 20 x"= x'+0 , 0 >0 $\left| \int \overrightarrow{x''} - \int \overrightarrow{x''} \right| = \left| f \overrightarrow{y' + \Delta''} - f \overrightarrow{x'''} \right| = \left| \frac{\Delta}{f \overrightarrow{x' + \Delta''}} + \left| \frac{|\Delta|}{f \overrightarrow{\Delta'}} \right| = \int \overrightarrow{\Delta'} < \mathcal{E}$ Δ < δ=e² VE>0 38=€2: Vx, x" € [0,1]: |x"-x/28 L | [x"- [x] / <€ 3 ربه f(x) = 1 40 10,13 3600 4500 3x, x" eI, 1x"-x1-56 [f(x)-f(x")] = 8 $\left|\frac{1}{x'} - \frac{1}{y-d}\right| = \left|\frac{y' - \alpha - x'}{x'(y' - \alpha)}\right| = \left|\frac{-\alpha}{y'} \left(\frac{1}{y' - \alpha}\right)\right| \ge \frac{\alpha}{x'^2} = \frac{1}{2|x'|} \ge \varepsilon$ Nyers $\Delta = \frac{k^2}{2}$ $\begin{cases} \frac{1}{2x} \ge \ell & \rightarrow & y' \le \frac{1}{2\ell} \\ \frac{x'}{2} < \delta & \rightarrow & \text{pex}' \le 2\delta \end{cases}$ 3 6= 1 4 500 3x'-mon (8; 1); x" = x1 : |x" - x1 = 8 6 6 | x - 1 | 2 27 2 2 1 f (x) = x2 HO R 38=1 45=0 3x=== |x"-x" | 25 6 |x" x" 212 1 Y" = x'2 = x' 5+ 52 > x' 5 = 1 f(x) = x-e 2000 HO [0;+00) f(xn) = 2 800 figur = (2 80 + 4) e sin £

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