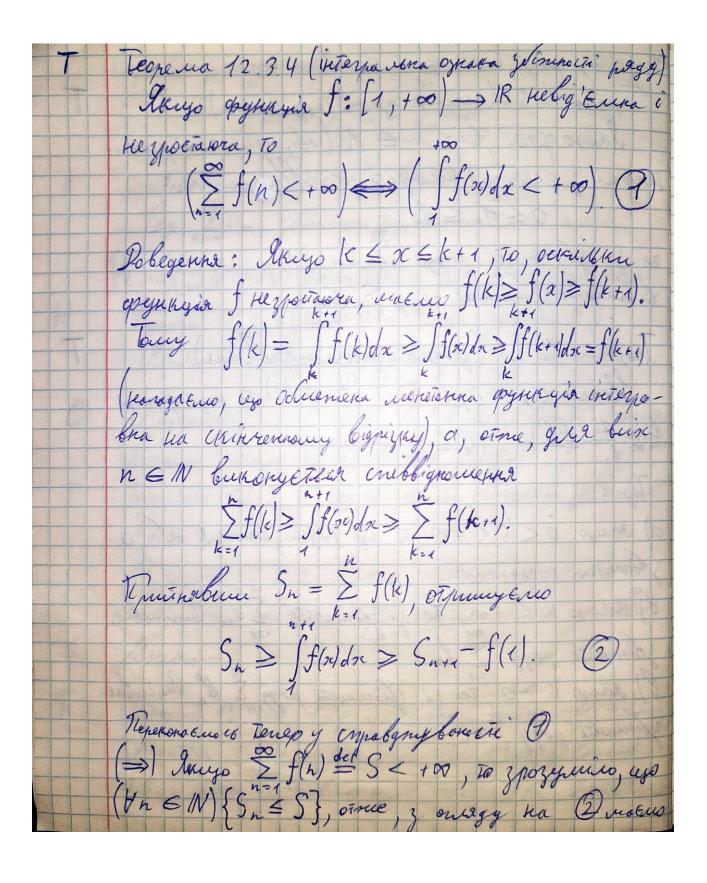
Oznarenna 9.1.1 fozdutiana T bigpizea [a, b] (a < b) O Hazebavil Lygh-any Chinrenny cuiterny horo torok Xi, i=0,1,...,n, Terky, up $d=x_0<x_1<...<x_n=6$. I yearry pazi minemo T = {x;}i=o Komen z Cigrijirib [x_{i-1}, x_i], i = 1, 2, ..., n reagulaints biggignam pajauria τ . Berurung |T| = man Axi, ge & x = xi - xi-1, i = 1,..., n, nazubanos grancespon poshistor T.

Orpareput 9.1.2 Karnyth, upo macio pogenia (T, 8 buspanum Torceauen biggigea [a, 6] i 6 kontenny 3 bigpignib [20:-1, 20.] uporo pojeluis burgano Toway $\xi_i \in [\chi_{i-1}, \chi_i] (i=1,...,n).$ Hadip (€, ... & nogravarors ognum embourents
Ognarenne 9. 1.3 flexañ f: [a, b] → IR — gesta Dynkyia, d (T, E) - pozdutta z budeanum To-Ekann bignizea [d, 6]. Cymy $\sigma(f;(\tau,\xi)) = \sum_{i=1}^{\infty} f(\xi_i) \triangle x_i$ Hazulavoro interpartnero cyrecoto (ado Cyrecoro livedena) pyrhyri f, upo bignoligne pojetitino (T, E) z bresperemu Torkoum bigpizka [a, 6]. Oznarenna 9.1.4 Tuaco I E R Hazubanor spaningen interparetheir eyem you |T| -> 0 i merry 16 I = lim σ (f; (T, ξ)), якцю (YE>0)(Эб>0)(YT: |T|< б){ | σ(f; (T, 5))-I|< Е}.

Oznarenna 9.1.5. Pyrunyin f: [a, 6] -> IR Hazubarott interpolnoso ja licearan ka [a, 6]i mungi fe Ria,6], Threepo gue nei inge managet, Tumo Il ysomy pazi nagularore interpeauem Pineana (as buzraregum interpenous) openhagin f(sc) na bypijny [a, 6] i noznaroute cumbouan Sf(sc)dx, mucha a, 6 - Kerpunson Ta верхивою менани interpylana, відновідно f - nigitie parono opypuryien, f(x)c/x - nigitie гранении виразон, а п - зеннюю інтерування. OTHER, If $(x) dx \stackrel{\text{def}}{=} \lim_{|T| \to 0} \sigma(f; (T, \overline{\xi}))$. respected J. 2. 1 May FE Br neolice -



f(x)da & S. Tony gue of go- smow b & [1, +00) luxo-Hy ETGER $F(6) = \int f(x)dx \leq \int f(x)dx \leq \int f(x)dx \leq \int f(x)dx$ Stigar i & Teoperar 3. F. 1 Cumulas, reso interpur Unpobier tacrumi (9) Zorractous (=) Plabroker, akujo yeti inserpan zerraces, To que dyge- maro n E N Comony CTER receptaire $\int f(x)dx \leq \int f(x)dx,$ orne, braso Gran (2), Thung tous $S_{n+\epsilon} \leq f(\tau) + \int f(x) dx$. Joigen i z rechemn 12.3.1 Commubac, uso ∑f(n)<+00.□ Hasigore 12. 3. 1 Kputepit z direko eti yzarandenenow reputerni more H porgy) long I ta zeiracteux, auryo d > 1, i pozolorece -Ther, skuyo L = 1. Polegenna: Trup L &0, To E 1 = + 0, ochieban He buxonyetero per snejan pero on Zoneporti progg (line an = 0) theyo xxx d > 0, To, buspulle byween integranding

Oznarevner 13.1.1 Plexati E - gobilena monuma a f, f, f2 ... : E -> IR - generi opyrekyni Ka recepto, ceso apyrenegionarena nocingo brievo (In) 3 director фо функций в почетово на минетини Е, або изо в Е (поточновою) праничего функців намерой помідовность The (i mingro: In = I), skup $(\forall x \in E) \{ \lim_{n \to \infty} f_n(x) = f(s) \}$ Tooto (VxEE)(VE>0) FNEN)(Vn>N) {fn(x)-f(x)<E} Oznarenna 13, 1,2 Pynnesienavany nouigobnical In raquebant pilnemipno záminen ka unomuni E go opyment to severe (te >0) (FNEN) (th >N) (tre & E) { |fn(20)-f(x) < E} Le reporte Januayrors Tax: In = f. Represent 13.1.1 Tyungio harrond nounigo micro In & E рвинирно збинон ка монить Е до срушений I Togi it much Togo, Karne lin sup | fn(x) - f(x) = 0. Teoperica 13. 1.2 (Epinepin four pronoupris Joineno Oti grynnyona coni homigo brocki Pyragionariona recuigo Encire Sta

Topinow her women E Togi i much Togo, Kare (YE>0)(JNEN)(Yx E E) (Vm, a: m, n > N) { | fn(x) - fm (x) < E} Ornarena 13.2 1 flexant E - gobinera amonuna, at f. u., u., ... : E - R - gerai opynnyi Kanyto, up opynnyinalenwa pog E un (x) notoruco bo (pilnowijono) zohratzbar yo grysenyi fra unomuni E, sunyo noungobrien van controlingen (Sn), ge Sn(x) = = Eux (oc), horornolo (pilnomipro y dicecto as go coy -Why i fee you unomune. Teopera 13.2.1 (oznaca Bent purpacar pilnomijonoi. Zdinenocti opennyionauchow page) Theyo reener gryungionalemore porgy in un (x) zagoloccourset quely $(\forall x \in E)(\forall n \in M) \{|u_n(x)| \leq c_n\},$ uprevening \(\subsection C_n < +00\), To usen openagioneen commente por Е рівношрно зовженим на инописні Е. Tegrena 13.2.2 (agrana Dipisare) Hesait opyningis an (20) Ta by (x), n & M, bushaveni na chomuni E, nouvering a) nowigobnich ractuobus cyn progy I an (x) obugance, 10000 (3M >0) (the EN) (the E) { | \(\tau(x) | \le M \);

