### NEKOLIKO PRILOGA

TEORIJI SVUDA GUSTO NEPREKIDNIH

FUNKCIJA

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NEKOLIKO PRILOGA TEORIJI SVUDA-GUSTO NEPREKIDNIH FUNKCIJA (Doktorska disertacija) Problem integracije i problem izmedijimenti funkcije bili ma i ostali medju glavnim problemima bako teorije funkcija i Amiline bako, moše se slobošno reši, i polekupas matematika.

Ematrom do je problem integracije, u svem zasveju, mago
brže i uspešnije reševan od probleme isvodljiventi. Problem
integracije neprekidnih funkcija rešem je relativno lako i brze od
člemana-a , čemony-a v moji su pokasali da agaletira edredjeni
integral svake neprekidne funkcije. Ali i problem integracije
svada-gasto neprekidnih funkcija a i svada-prekidnih funkcija
resradjen je i sože se reći nepešno reševan preko lebegue-a ,
štielijes-a, Perron-a , Dejoy-a , a pored njih i od mogih drugih.
rošća bi se moglo reći da je problem integracije u potpunosti i raš-

Problem isvodljivosti koji je bio vrlo lak kod elementarnih funkcija, potazuo se je komplikovanim kod shupa neprekidnih funkcija. Smoji su smatrali a i pretpostavljali da svaka neprekidna funkcija mara imeti isvod bur u jednoj tudaj. Smatra se da je pumo truda utročeno na pokašajima da se dokaše ta pogrešan pretpostavka a moža bi i više da Selemetrana 1861. godine mije deskamo ognistencija neprekidnih funkcija koje nemaju izvod ni u jednoj tudaj. U svetlu svega toga jamo mar je mešto je ovaj Selemetranasa odkaz izazvao izazmaljenje kod mnogih sutemati-čara i mešto čak i veliki Semette mije krio svoje čaljanje stog toga dokaza. Zao damas više imteramje mešto je trebnio da profje

ietricest pel godine de prosta triva des tengente. Se ce orie je tet 1906 godine des prosta triva des tengente. Se ce orie je bilo semo empodeto proséevanje diferencijabilmenti neprekiduib funkcija, i pročio je još prilično vremena dot je kameda-u pošlo pa robes de dobaše sledeća teorem:

\* Shap orth negrolidadh realadh funkcija ad kojih jo oraka diferencijebilan bar u jednoj tečki čini skup pare bategorije u funkcionalnom prostoru svih neprekidadh funkcija definicanih u nekon satutrence intervalu [a, b]. Sanaprot tene Shap orth onth funkcija koje nisu diferencijabilne zi u jednoj tečki čini sk skup druga kategorije \*.

in orth Remod-orin tecremon symbolo je dat dobar priling promčavanja diferencijabilnosti nepektidnih funkcija. Repomentan da je i kasim pitunja diferencijabilnosti neprektidnih funkcija dao smočajne priloga. On pored ostalog u radovina [3] , [7] i [8] dobasuje teorem :

l'itanja provierenja diferencijabilimenti fankcija pričlo se je i ma jednog drugog stanovišta pri čera je glevni cilj imalemenje osobina izvodnih funkcija. V tem pravoz medi i berbouz i on uspera da dobaže teoremu:

\* Leveline Frankskije beje je beskijenijenio Gefinikanse be voće proći sa jedna vrodnosti be druga e de pri tomo be proćije i krosove ore vrodnosti kanalja njih ".

Co orong primarylists markerije i francoska i reads štola footije funkcije je i dalje pošetkom orong reda impituje izredijivest funkc povezujuci je otjavjes teorijes mare i prožirajuši je pitanje teredijivesti i sa specijelma klasa funkcija koje su meprekidas u svade-gasto resperedjenia tečkema, jesuo je da se preklem diferencijabilmosti kanplikcje ako ga proučenemo u skupu funkcija meprekidnih u svadegasto resperedjeniu tečkema. Japansnimo da je ema i mejširi skup funkcija sa koje ima sedela proučensti pitanje diferencijabilmosti jes funkcije prekidno u svima tečkema misu mi u jednoj tučki diferencijabilmo. Feoriji izvedljivosti , za svako mejopštije useti skup funkcija, dali su mežde mejbolje resultato kujor u [1] i Lanin u [5], [6] i [7]. kunin u pomenatio redovima dekasuje i teorema :

The je issue) is selected of (x) ,  $(0 \le x \le 1)$  , tension a sylve two backs is extended to select a color law slap some nuls, take poster) takes coppositions fundably f(x) ,  $(0 \le x \le 1)$  , below two two two two two two transforms fundably f(x) is extens fundably f(x) in extens fundably f(x) is extens fundably f(x) in extens fundably f(x) is extens fundably f(x).

Ni n orde redu ionee into tebb se oilj producaje isvodijirosti funkcije, osoo se prilegise de medto dropičijog stemovičie.

Neme je oilj de otkrijemo isvome sejedničko osobine okupe svik
funkcije koje se neprokidne u svode-gosto responstjenim tečkeme. Usimeno funkcije prokidne u svode-gosto responstjenim tečkeme jer se
neprekidno u svima tečkeme svode-gosto responstjenim tečkeme jer se
neprekidno u svima tečkeme svodremo de je pitemje diferencijabilnosti u potpunosti rečeno impede-ovom teorome. Som toga si posmetramo i rosino funkcije od konečno-mogo s i od bostomeno-mogo
neprekidno prompoljivih. Ni isto teko immo svolij posučavanje ije

Involli iventi indiat ja karitalaa promeljise koja en interpresen Reprektion u muka-prio reiprodjeta takom. I prektion u maja-

Tellin postimuje posterijene gedelte si me u jerel dari The first the second and the second s fundad in had been to the state on terminal a factor where mental and the formula trade to the formula problem. and, discussion and and analysis and analysis to the In the same water party response with transmission by the Taren program and the join the stay order parts the and the latest and the second of the second Determine formalist the treatmental waters be explained to so were the following and the special production of the special special production of the special Marrien reducedade trajere. I trêm paracrate plante diferen-mb funkcije beje mytro od borkania-wa za remytom menetije The leaders will be a section to the section of the a well different believes to treat from a rectal from the believes series of presenting because some presentation presentation. Township in an and the second we are interesting that the transfer mit funtelle ple pleuje (diferentjeklanet), tradijenst, petrustitues, perioderal i maraticasti) perenjus de Cardy-Manuel and Antonia and the Antonia and Ant agriculturju i sumbolje klje su embline, m prvi pogled, u suprote total on makin paparita terroman. I provi giari bartitil ero se

rectanglines approbationally a glaberatib brojets diju je teoriju
espečeo literrille a pered estalih respedili je Thue, Slegel,
Geljfond . From konetrulesza funkciju koje bi mes u izvenoj seri
potendala na kluse funkcija koje foreizano u prvej glavi malazimo
kod f. kolonowa u rada 4 a satim ih malazem moči i kod Denjeya
u 12 , no im ih i kod drogih malazetičano.

entrano de trebe inteól de je glavni resultat orag rede entranj druge glave. In imme notoliko besrome koje men ukumuju me izvesten broj bitnih sejedničkih osobine svih funkcija koje su negrekično u svode-gosto resporetjenim tečkeme. Ottrivane osobine se odnose ne ne poječine ili diskontinalneme niti probrojive tečke nego ne svode-gosto resporedjene tečke kojih ime u svokos intervalu kontinuo-enogo. Pres od ovih teorema se odgoverajećim dokasom publikovena je u rada i 8. Četković - Da thiorime de la thiorio des fonctions . Comptes Rodus, 245 , 1957 .

#### MAYA PATA

### THE PERSON AND THE RESIDENCE OF THE PERSON AND THE

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comes paragrafic of 1 mas to de fermirano sto provite fembrale, to fundation of translation recitame [mild brojets both but in the fill for the continue of th

 $R_{n}(n) = \min \left( (n - n), \text{ give so d many n a simple collib brejern to be do jet <math>((n + n), n)$  is a private trail. That is a marked and the grateful brejern ((n + n), n) is a marked and ((n + n), n) and ((n + n),

$$\delta_1/n < n < (\delta_1 + 2)/n$$

**75 Jo** 

Tendit du je site 4 (1) seila nis su evake sa

Fig. Case surject realizations fundation  $F_{\phi}(x)$ , we elected substant  $F_{\phi}(x) = \frac{1}{2} \cdot f(x)$ , back jo x vectoralization broject);  $F_{\phi}(x) = 0$  if a surjector proof is broject);  $F_{\phi}(x) = 0$ , as a incomplaint broject.

The Code so bith polarizate in jo familially  $F_{ij}(z)$  differentially billing a margared during boundance obuga transposations all brujers is been in job evaluations subpared justice brojevies i also je prektima a svima metamalniha badhama.

4. Sulta je 7 juliu ed brojera simpa 4.

A. . - Inda jo z residentian teri etilin pie imme

$$|| \frac{1}{x - \overline{y}} || \frac{1}{x$$

Eaks she realized profess a posted jette shelling (a-d, a+d), give jet (a-d, a+d), give (a-d, a+d), give jet (a-d, a+d), give jet (a-d, a+d), give (a-d, a+d), give jet (a-d, a+d), give (a-d, a+d), give jet (a-d, a+d), give (a-d, a+d), give

$$(2.7) \qquad q \rightarrow 0 \qquad \text{had} \qquad x \leftarrow 7.$$

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a to tops storie bulle in to mission fundation I (ii) differently. 

to the last principal to the familiar of the first termination of the f t u algebration invalentation builten business business on blowdiscours element the jet of a matematica a 5 algebraids had such to tada wyatustust

is and that similar in taring in the similar in the line of engenum jedne derites (5 = 2(5), 5 = 2(5)), a tenjet militari-

3-2/8 > 2/4

1/4° < 1/4° m m m m m m

to je t

13-Wa > 13-Wa < 0(1) + 4-> max .

The last and and the last the first terms of the last terms of the

47 20 1 17 - 20 > 2/4 t comments from James and to (1.6) |3-Wa|> War m |3-Wa|2 (1.13) .

tada je z tresionilna broj taniono da je

|z-z| < 4/3

teda 10

From tone je

a to topo productions to je sunkedja  $T_{\mu}(x)$  distanceljabilme i u elegaturniche incelenationi mediane inje en eruda-gunto maperodjano (videri dilane deltano u [12]).

for falls je

 $Y_{n}(x) = Y_{n} \cdot f(x) > 0$ , so x maximalian broj, i halo so a protoj chelini telvog x milesi ber jedno  $x_{1}$  imatemilian sa koje
je  $Y_{n}(x_{1}) = 0$ , to je funkcija  $Y_{n}(x)$  problika a svima racionalmin tećnom.

1.

Continue do je i  $1/e^{-i\theta}$  o  $e^{i\theta}$  principo broj to je i  $1/e_{e}(n)$  principo broj to je i  $1/e_{e}(n)$  principo broj to desir (1.2) desirent

$$b(n) < 1/n \cdot f(n) < 1/n \cdot n^{-n} = 1/n^{2n-1} < 1/n$$

So  $j = 1$ 
 $(1.7)$ 
 $b_{j}(n) < 1/2$ 

consense  $1/b_{j}(n) > 2$ .

$$h_{eq}(n) = h(1/h_e(n))$$

100 10 10 10 10 10 > 2.

The provided due to  $h_0(n) > 0$ , two in justice to some destinately  $n = h_0(n)$ .

In (1.7) 1 (1.7) eledaje

I district top the pripale interests (t. 1).

((n), lighted and least the companies of the best and the least of the

The second of the

Section class a(t) wise a'(t) is polarized as joint paper installant  $1/h_{t}(x)$ . (Set grantism a installant) a solvent mediately and analysis protest protest jamo in joint but may explain a oblithe p/q, p is a uniqueness proof only beginness a oblithe p/q, p is a uniqueness proof only beginness.

In company productions do su

established profit brojest, for had no hi bill norall hi bits deligned. On north deligned brojes had been brojes at a to je memografe, jer pred od orth brojesta milje on mila delign. (Led governos e distantam neltes primaring broje milita milita de distantam malife primaring broje milita milita de distant period projestaliste ed 1).

$$\sqrt{(n) - n(1)} = \sum_{i=1}^{n} h_i(n) < 2h_{i+1}(n) = 2h(1/h_i(n)) \le$$

$$\leq 2a_{1}(n) \cdot (1/a_{1}(n))^{-1/a_{1}(n)} = 2a_{1}(n) \cdot 1/(1/a_{1}(n))^{1/a_{1}(n)}$$

prolativel

election in sec a probably challed brojn A(n) solube chose out filters with algorithm a(j), so A(n) so solub bits algorithm broj, just bit (1.9) bills a separatement on (1.6). From tone delection to solub bits algorithm to A(n) because the solub brojest.

The followithm do funkcije  $F_{\alpha}(x)$  name involve a dispersion with  $\alpha'(x)$ .

$$\frac{|I_{n}(x) - I_{n}((x))|}{x - \lambda(x)} > 1/2 , \text{ promobilities } x \in a(1),$$

months d(n) ( nine d(n).

le x < lastices la brojess face

Freeze (1.11) 1 (1.10) malifoldina de me portoji

to jest functify  $T_{n}(x)$  near levels a tackum plan  $\alpha(x)$ .

torno de jui

per proces tomo frankskipe folk) made konsti korodo a todomo sikus filmi.

10.- In granter state to process where /3 (m) selecte the state of the factor of the factor of a factor of the fac

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a>1, a Emtendib mojem, a>1.

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In the second formation and the second control of the second contr

$$\sum_{n=1}^{\infty} (2n)^{n}$$

termental and [7.1] and the homestan for to

From tone optimize may of mile one me one make forestrate.

in elements well well

/\*\* ( $z \in collin trajero)$ , built pripadaja stapa ( $z_{+}$ ) ! ( $z_{+}$ ) is remark  $z_{+}$ ) and  $z_{+}$  is  $z_{+}$ . Therefore  $z_{+}$  is  $z_{+}$ .

to jour

Lake are the project of Jaco pure trajers (a, a) edgerare joint (a, a) to evalue pure (a, a) edgerare (a, a) e

In crops, closely do so elifornaments so cities a justificati landaje clifer i justijeti landaje clifer i o grupas. Inko kresije pote clifer i i i (mil)-ro clifer im clifera i i

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$$\{(2(n)+1)^n \cdot 2(n) - 1\}$$

proclaimed in a restrict on process tonce benefit of a proclaimed from a section.

Otherwise an extreme of tenthermolecule profession, while proclaims on the

tops probables is to the incident to broj. In Implies the Atlanti brojs of the close the attention the project of the close that.

in- to a section restaurt material plan

In (2.6) - Leaves

delitive en en to je i

delitro se u a la topa protestant da

edje deljivo mi na jednim čimionem benja s semičan madičatamenta maličitim od 1. Prema tome temnitelj o, resismelmog broje  $\sqrt{r}$ mapinemog z skilim skraćemov obliku  $\sqrt{r}$ , (n, 1, 0, 0) majesno

the ste see a choose he brej of ageilt his of, take decree breju of mostal edgereraject his  $\{S_k\}$  he elected meets  $\{S_k\} = \{s_k\}^2 + d_k\}$ 

de la constante

$$B_{x} = y/x^{2} + \sum_{i=1}^{n} y_{i}^{(n(a)+1)^{2}} + y_{i}^{(n(a)+1)^{2}}$$

111

je deljive se w . See top je

In (2.11) (2.10) probation de

nije delijim ni na jednja činioma broja a , meličitim ed 1 ,

as  $(\mathbb{E}(n)^{+1})^{\frac{n}{2}} > \pi$ , for (2.12) spinose maplitudes a oblight  $\mathbb{E}_{-n}^{+1}$  to jost

eta ja en minoji në ëtelikelja benja e a ë bjene edeperatijaët prirodol broj.

in ormare (2,17) i (2,7) militalization de ja imaiitelja

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(2.26) | B-B - B-B - A-A < 2/2

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Tomas protessas designations de equilibries l'estre feminal per l'estre de la feminal de la feminal

- 1°. Stude to problem:
- The Complete party and the Complete Service Complete Service S
- The Complete position recognised (such tables and particles are particles and particles and particles and particles are particles and particles and particles are particles and particles are particles and particles and particles are particles are particles and particles are particle
- ell u njim nom nijeka poreljelai isralj
- - ye. Itte diferentijentim ni u jetuj will.
  - 1,70- No. 1 committee to the transmitted of the tra

toje serios ed probrojiro benimanogo seperimo prometjiri) I ed kojih sreka im interromeno siminio obsidno:

- I'. I souls-gurte ruspored and technon to predicte
- 2". I secular-gravito reseptively calls becomes je negarablena sli nema ni level ni po jednoj od premenijivih:
- y'. I studie-guste tedposeljeniu tedinos im pereljelne izvele po i semo po umpred prolovaljno usčanoj grapi nasariom promenljirih;
  - 4°. I svela-gurto ruspureljeniu tečina je dilesenijektus.

 $F_{np}(\{x_n\}) = 0$ , hade on set dismost wise  $\{x_n\}$  isocionalmitents.

 $r_{\rm ab}(r_{\rm b}) = 1/q^2$  , take joins i sums joins of negations prompty living the randomnian vanishment, i make jo q immittally to randomnian vanishment.

 $T_{ab}(x_a) = 1/(\min(q_a, q_a))^2$ , hade dre i memo dre mezeriame promonijive usimaju zaslomalnu vrednost, i meka su  $q_a$  i  $q_a$  imenitelji tih resionalnih vrednosti;

The state of train assertance present that the state of trains assertance present that the state of the state

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funkcije od prekrojive beskom čao-mogo mesevimo premenljivih
111 mogil bi ih nasveti funkcije misa 111 funkcije u pročirenom
Milberdenom Milbert-ovca prostoru (kažem u pročirenom jez uzimano i
misove se diverpentnim modulima). Pojedima od ovih funkcija je u
stvari preslikavanje skupa svih resimih misova, komvergentnih i čivergentnih, ograničenih i prograničenih, ma škup reminih brojeva.

with two jets.) for its jets to indeed familially fundably in .

$$(3.4)$$
  $(r_{n}(\{x_{n}\}), n \in \{2, \infty\}, n \in \{\infty, \infty\}, n \in \{\infty, \infty\});$ 

(3.2) 
$$\{x_n(\{x_n\}), n \in \{2, 0\}\}, b \in \{0, 1\}, and);$$

$$(3,3)$$
  $(1, (1, 1), a \in [2, a), b \in [2, a), a \in [2, a), b \in [2, a), a \in [2, a], a \in [2,$ 

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Parameter Manager Mana

cate testing of the testing of the second of the section of the s

 $\{\{a,b\}\} = \{a\} =$ 

 $\frac{2^{n-2}n}{(2^n)!} \frac{1}{(2^n)!} \frac{1}{(2^n$ 

Significantly  $\{Y_{n}(\{x_{i}\}), n \in [x_{i}, 0\}, n \in [-0, 0]\}$  with sortion  $\{x_{n}\}$  to just an  $x_{i} \in P_{n}$ , with resident

 $(\{x_n\}) = 0$ ,  $\{x \in [x_n, 0], x \in [x_n, 0], x \in [x_n, 0]\}$ .

The variety being probable at  $\{a_n\} \in \mathbb{F}_n$  , a presentable  $\{a_n\} \in \mathbb{F}_n$  , and  $\{a_n\} \in \mathbb{F}_n$  , a presentable  $\{a_n\} \in \mathbb{F}_n$  , a presentable  $\{a_n\} \in \mathbb{F}_n$  , and  $\{a_n\} \in \mathbb{F}_n$  , and  $\{a_n\} \in \mathbb{F}_n$  , and  $\{a_n\} \in \mathbb{F}_n$  , a presentable  $\{a_n\} \in \mathbb{F}_n$  , and  $\{a_n\} \in \mathbb{F}_n$  , and

restliction of t (1 finites) brown is to sedjewohne vere ni-

m r (enga irretandula badare, jer je

le s, estaps residentally brillers territory

I garajes iningraja istem q, asmašava imenitelj rasionalnog broja x, , s asmašava algebarati red algebaratog broja q, , %, asmašava jedan krastantan broj kaji algebarata algebaratom broja q, taka taka bisatantan broj kaji algebarata algebaratom broja q, taka da bi bila, prema likhavillo-ovom otava, madovaljema najedanačia.

an eve reclarites brojeve p<sub>e</sub>/c<sub>e</sub> .

In dublinating ped (3.9) & (3.6) peolstlant

to just: Parallella larged fundable (3.1) a tasks  $\{q_i\} \in \mathbb{R}$  so making of presently both justices in mall, so in tasks  $\{q_i\} \in \mathbb{R}$  so findable (3.1) has problem (1,1..., 20) blue  $q_i$ .

The state of the graper of the State of the Sections of the state of t

m a ∈ [a, m) , b ∈ [m, n] .

The limits of  $e \in \mathbb{R}$  , constants

to so

1 prom (2.34) , on  $(2(a)+1)^{2} > 7$  ,

1

Frank (3.9) 1 (3.30) to parket

m \* { [, m), b < [-m, b].

Trees delivered pet (3.7) i (3.11) predeficil de frakelje (3.1) im ceolium (1.1.- , 3") bless (<sub>10</sub> .

In talken (5, 1.4), (5,2.4) I (5,3.4) probabled de je

m i ste

 $(3.12) \quad (2.14) \{x_n\}\}, \quad n \in [2, \infty), \quad n \in [-\infty, \infty], \quad n \in [-\infty, \infty)\} \in \mathbb{R}^n$ 

e le topo de selste sestative l'internative descript de ...

(3.13) ( $r_{ab}(\{x_a\})$ ,  $a \in (0, 0)$ ,  $b \in (0, 1]$ ,  $a \in (0, 1)$ ,  $a \in (0, 1]$ ,  $a \in (0, 1)$ ,  $a \in$ 

is all of the first of  $x_0 \in \mathbb{F}_{q}$  in the first of  $x_0 \in \mathbb{F}_{q}$  is a postonial of the postonial of the first of the first of the postonial of the first of the first of the first of the postonial of the first of the f

Trustant E > 0.

(3.14)  $V(m) d_{2} + V^{2} + E + V^{2} +$ 

a a localitally restricted large lines when \* (7.14) when the large l

e meler (3.13) vie tepném de je

(3.16) sin( $q_1, q_2, d_3$ ) > seed ( $\mathcal{V}_{\mathcal{E}}$ ), ( $\mathcal{V}_{\mathcal{E}}$ ) =  $\mathcal{V}_{\mathcal{E}}$ . The bit impossible value (3.16) denotions to mentions  $\mathcal{E}_{\mathcal{E}}$  absolute set so solved situations also as testimated discovered by the following properties of  $\mathcal{E}_{\mathcal{E}}$ , a testimated form of the following properties of  $\mathcal{E}_{\mathcal{E}}$ , a testimated  $\mathcal{E}_{\mathcal{E}}$ .

$$(2.27) \quad (2.3)(3) \quad a \in [0, \infty), \quad b \in [0, \infty), \quad R = \emptyset$$

$$(2.3)(3) \quad a \in [0, \infty), \quad b \in [0, \infty), \quad b \in [0, \infty), \quad c \in [0, \infty)$$

 $x_i \in \text{Implicit for } \text{ fo$ 

to je va

press (2.16)

In order a ten comment (2.13), and (2(a)+1)\* or , productions!

(5,2.-) pokusuje de u toj tučki postoje pereljalai izvodi po ovima nepavismo provonijivim nima z . Sep tope prema izločenom u (6,21.-) impleije z / z ) je neprokidam u tučkam z /, po na omnova topa i (4.-) impleija (3.2) iza osobima klase u to (1,2.-, 3\*).

(1,2) In contain March (1,2),

(1) (2) - And to find them the company of the compa

en som bitt jekesk mell, ofnorme ske svi eguletine in senkt

ed njih mera biti jedani mil.

for joint of partitions and then. The first  $\{e_{ij}\}\in P_{ij}\cup P_{ij}$  we explain the for joint of partitions and the first  $\{e_{ij}\}\in P_{ij}\cup P_{ij}$  while differentiables a set to built.

 $\{e_n\}\in \mathbb{F}_n \cup \mathbb{F}_n \text{ excitations and on the a jectum filtrations when } \{e_n\}\in \mathbb{F}_n \cup \mathbb{F}_n \text{ excitations out parable to the family of the second jets in the family of the second jets in the s$ 

Folimation de folimation (1.20) un maio de equiption. I ben ellips mantes de promentifici via (2.) martinase baixo de endoretifica. Alederic (0) milare :

$$\{x_n\} \in \mathbb{R}, \quad x_n = x_n =$$

1/2 .

Anto je (3.21) u suprotucati su (3.20) preistinsi du jedančina (3.20) ne može ogriativati, okuomao funkcija (3.2) mije diferencijatilna mi u jednoj tačni pa presa temo im certina (1,2...,5") klase G....

7,0.- Pod (7,...) dokumeti ésso de funkcije (3.7) pripade klasi (3. 7 krimpenja produkcije ésso de je a (2,0),
b (4,0), 2 = 0 a krije na bade dokučije iskokrate.

7,1.— In 1941 modes two sto so u (6,1...) delensaje so funkelju (3...), pokasuje so i sa funkciju (3...) do je prekidas u
evim tečkam  $x_{n}$   $y_{n}$  to prome town ima contism  $(1,3...,1^{n})$ 

Tankolja (3.2) a senda-gasto respondijenia nizovim seprekilomnelaveljim ma leti mešia pokasjene ta senidas i sa funkcija The relation and to jo function (3.7) differently which professions are the relation of the r

7,41 - 100 to {\*} {\*} {\*} \ \*\*

100 10 1 1 (N) E NU ) = 0 1 1 (N) = 0 .

7,42.- Ind to {\*} { \*} { \* }

7.41. In  $x_i \in x_i$  where

In answers  $\{1,24,4\}$ ,  $\{1,25,4\}$ ,  $\{1,25,4\}$  and justice on the function  $\{a_{ij}\}_{i=1}^{n}$  and  $\{a_{ij}\}_{i=1}^{n}$ 

 $\{x,(x)\}, x \in \{0,\infty\}, x \in \{0,\infty\}, x \in \{0,\infty\}\}, x \in \{0,\infty\}\}$ 

### Ch. Typicatije weld kine konjidanih tukalja

Towns present the desire the secretary of the present the first part of the blacks.

- Tyles in a manifold and them the property and the property of the second in the second
  - 1°, 7 erim trêma je prétiém;
- en sederaljene (seneky-) enema-ere jedančine ali al u jedan) en til trčala sene isati.
- 1°, lysisisis simp trada-gusto respectfunti telaka u kajim Je funkcije prekistus
- 2°, ignictive stop smale-quate respected mile teinke u tojima je funkcija neprekida, u rechoj od tih teinke imperjectjentjentima remotoj od tih teinke imperjectjentjentima remotoj mile teknologa.

  sedoroljene sa Gausty-ilemans-ove jednočine sli opet ni u jednoj od tih teinke ne postoji tradij
  - The level of a joine, total.
- Tyle-in it committee and federal benefit and benefit and proceeding the first total total and the federal of th
- 1". Terletien eine ernde-geste responsjente keine vir kejim Je franksije prekijme:
  - The state of the s

en galereiljene Landig-Tannen-ere johneilse all at a johnej en til til teknik en geriejt ternij

protest forms.

forminion in the kine. The property of the pro

P(x, y) = 0 , but no 1 x 1 y treatments becomes:

 $T(x, y) = 1/(\sin(c_1, c_2))^2$ , hade we is it y regions intercepts the project registrate of male  $(c_1, c_2)$  is an immated of the regions in the project in the project project of the project is a project project of the project of the project is a project of the project of t

Andre 121 fortilise

(2.2) 
$$(T_{n}(n)) = (T_{n}(n)) = (T_{n}(n))$$

J.- Committee an own.) particular in 3 steep with tendencially brotons. This broton in the committee and the committee of the

algeberaki red maji of a ; as 5 skap knojema koji je keko camaden i definisma u (° 2. ) . Sanki od skapara kočaka tefinisma na croj mačin je made-gusto resporedjen. Vingdal tačaka n = x + iy , koji zedovoljavaja jedan i samo jedan ed sledećih majara:

 $\{x \in \mathbb{R}, y \in \mathbb{N}\}, \{x \in \mathbb{R}, y \in \mathbb{N}\}$ 

4,1. - 77 cm (7,1.4) 1mm (n 10 m n < 0 t

$$P_{i}(x_{i}) = 1$$
,  $m_{i}(x_{i} \in I)$ ;

 $||x_{i}(x_{i})-Y(x_{i}(x_{i}),x_{i})|^{2}+1, \quad \text{as} \quad ||x_{i}\in\mathbb{R}, \quad ||x_{i}\in\mathbb{R}|, \quad |$ 

Obstant do no testa  $(x \in I, y \in I)$  has I testa  $(x \in I, y \in I)$ , while type  $(x \in I, y \in I)$ , and the same testa responsible  $(x \in I, y \in I)$  and the same testage.

The communication of the transfer for the transfer  $x_1$  and  $x_2$  and  $x_3$  are the first  $x_4$  and  $x_4$  are the first  $x_4$  and  $x_5$  are the first  $x_5$  are the first  $x_5$  and  $x_5$  are the first  $x_5$ 

the tops as equintim

a tribut  $\{x \in \mathbb{R} : y \in \mathbb{N} \}$  on symbologopata. To do a table  $x_1$  to expectable the form  $x_2$  and  $x_3$  is the following the following probabilities as  $x_2$  is the following the following the following  $x_3$  in the following  $x_4$  is the following  $x_4$  and  $x_4$  is the following  $x_4$  and  $x_4$  in the following  $x_4$  is the following  $x_4$  and  $x_4$  is the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the following  $x_4$  in the following  $x_4$  is the following  $x_4$  in the fol

Is granted protetient do fundation  $(T_n(s), n \le 0)$  a tockt  $s_n$ ,  $(s_n \in I : T_n \in I)$ , and the james Canaday-Siamann-ove jedanoisms all a toj tockt news taxods, pa pressa recommon pad (4,1,-) i (4,2,-) protetient do je

element then it, this promo-

The last define it explained in Elmon II, parameters in f and f

7.1.— Toolino l'Estrono toon  $x_i$  in toja je  $\{x_i \in \mathbb{R} : x_i \in \mathbb{R}\}$ . I strataj akalini tudno  $x_i$  malani ne tur jedno tudno  $x_i$  .  $\{x_i \in \mathbb{R} : x_i \in \mathbb{R}\} \text{ , po je}$ 

(x,y) = (x,y) = (x,y) = (x,y) = (x,y) > 0, a topo prointlest de je funkulja (x,y) = (x,y)

3.7. Tables finites to be a solution of  $(x, \in I, Y, \in I)$ . In table of a solution of  $(x, \in I, Y, \in I)$  of table  $(x, \in I, Y, \in I)$  is table of a solution of table of a solution of table  $(x, \in I, Y, \in I)$  table of a solution of table  $(x, \in I, Y, \in I)$  table of a solution of table  $(x, \in I, Y, \in I)$  table of a solution of table  $(x, \in I, Y, \in I)$  table of a solution of table  $(x, \in I, Y, \in I)$  table of a solution of table  $(x, \in I, Y, \in I)$  table of a solution of table  $(x, \in I, Y, \in I)$ 

Since the polarity scale of function  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the state of the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  then the polarity  $(P_n(x), x \in (0, 1])$  the polarity  $(P_n(x), x \in (0, 1])$  the polarity  $(P_n(x), x \in (0,$ 

Tours II Judice Michigan with a , tota jur

Sen Nam Je

In every productional decision to fundation  $(F_{ij}(z), a \in [0, 1])$  normalization is justiced to distribute  $a_{ij}$ , install a toj telesia no make that resolution of makes

Polonii Lou sudde die Lerod in teiste s<sub>e</sub> ind moise ditti al male.

Ni e medial statisti milito s<sub>e</sub> moise moisti i teiste s<sub>e</sub> boje mole.

Toljane molecular

proofs benjert ( 
$$x$$
 -  $y$  )  $\leq y/q$  (  $y$  -  $y/q$  )  $\leq y/q$  . Thus therefore when

Le pureles protestant de me equicities

to just fundable  $(T_n(s), n \in (0, 1])$  were true if a judge) trial.

$$(r_*(n), n \in (0, 1]) \subset R_n$$

to just my latter Made I .

(a, ... denote 11 makeja fibriresa tekka e, as keja je (a,  $\in \mathbb{R}$  ,  $\mathbf{y}_{q} \in \mathbb{R}$ ) , funkcije  $\mathbf{y}_{q}(\mathbf{z})$  biće prekidas u tej tekki. To bi dekumeli ma teti mećim kao čio sao sa tečka  $\mathbf{z}_{q}$  u (5,1.5) . Chalres da na tečka  $\mathbf{z}_{q}$  empiroja responstjene proinilari de funkcija  $\mathbf{y}_{q}(\mathbf{z})$  ima osobina (1° to 1,5.4).

 $(x_{10} \in \mathbb{R}, x_{20} \in \mathbb{R}) \cdot \mathbb{R} \text{ lett make taken } y_0 = x_{10} \in \mathbb{R}$   $(x_{20} \in \mathbb{R}, x_{20} \in \mathbb{R}) \cdot \mathbb{R} \text{ lett make two yet } (x_{20}, x_{20}) = x_{10} \text{ today}$   $(x_{20} \in \mathbb{R}, x_{20} \in \mathbb{R}) \cdot \mathbb{R} \text{ lett make two yet } (x_{20}, x_{20}) = x_{10} \text{ today}$   $(x_{20} \in \mathbb{R}, x_{20}) \in \mathbb{R} \text{ as make the first make the part } (x_{20}, x_{20}) = x_{20} \text{ today}$ 

le oraș proietleri: les el egristino treci e tuâni e<sub>le</sub> , <sup>mare</sup> ti vili jednik mili. Vil balo je pres (\*.\*)

In (4.1) 1 (4.2) protelled do no equiviles is red a took!  $s_{10}$  a clotte de funkcija  $(T_1(x), x>x)$  imposito x is (1,3.4), for an inite  $s_{10}$  injectional paradament  $x\in (x\in A, y\in A)$  brude-gasto responsitions .

 $(x_{21} \in A \text{ , } x_{21} \in A) \text{ , } x_{20} \text{ and } x_{21} \text{ is possible to approximate the first of the$ 

Particular property for the

Alto je (x < 2 , y < 1) lesses

Code and so  $c_1$  consider install installed rectangling broke x, so  $c_2$  installed rectangling broke x, so  $c_3$  electoral red broke  $x_{21}$ , so  $c_4$  electoral red broke  $x_{21}$ , so  $c_4$  electoral red broke  $x_{21}$ , so  $c_5$  electoral red broke  $c_6$  is solved as also  $|x_{21}-e/n| > 1/(x_{2},n^{-1})$ , so stable collaboration is  $1 = (n \neq 0)$ . So that such a solved is a full taken as a such a solved in  $|x_{21}-e/n| > 1/(x_{2},n^{-1})$ , so stable collaboration is  $1 = (n \neq 0)$ . So the sucknown in  $|x_{21}-e/n| > 1/(x_{2},n^{-1})$ , so stable collaboration is  $1 = (n \neq 0)$ .

Tri pelijudrusju u (4,6) kuristili suo sa siednoim majuduskur/tim

7. - No je fini mulitalin funtsije tak je takelje t

$$(r_n(n) + n \leq n) + r(n) \in \mathbb{I}_p ,$$

$$(r, (n), n \in (0, 1)) \cdot n(n) \in \mathbb{Z}_{n}$$

#### INCHES S YOUR DING STORY

U prvoj glavi koristili eso se ma više mesta aprobsimacijos algebarakih brojeva pomoću recionalnih. Wi mes se tom prilikom pomlikili Licuville-ovim stavom o aprobsimaciji algebarakih brojeva pomoću recionalnih i ako su mnogo presigniji stavovi do bojih su dožli Thus u redu [10], Stegel u redu [9] i Geljfoni u redu [1], jedan ima drugom u invensku vremenskim respectan. Thus je 1909 debamo stave

\* Also see 3 protovoljan filminati algabarekt broj reda k .

1 2 2 , a { > 0 protovoljan filminat realan broj teda najele .

2 2 , a { > 0 protovoljan filminat realan broj teda najele .

1- Na | < Va<sup>V2</sup> \* 1 \* E ien semo kompino-seom reducje po cellobrojnia nepomentia p i q 0 i Clegel 1971 dokumje i otov:

"No so: ] protocolies filetrest element was the resident and a coloresism  $k \geq 2$  ,  $\alpha > 0$  protocolies filetrest reales was two a coloresism propositive tops necessitive relate to  $1 \leq s \leq k-1$  , take neglectors

ian same boundue-mage recenje pe celebrojnim nepoznatim p i q , q > 0 % celifond je 1945 dome i de presimilje aprobatmetje. No i da sam se koristili Thue-ovim ili Siegel-ovim eteror mesto Licuville-ovim ne bi se mišta izamilo u formulaciji remultato dobivenih u prvoj glavi. Da sam se koristili Thue-ovim stavom toda bi ne primer megli da terdine da funkcija (3.1) iam sve pareijalne izvode jednske mali ne same u tečkuma  $\{a_k\} \in P_n$  nego i u tačkuma  $\{a_k\} \in P_n$  nego

#### CLAVA THERM

#### 

# 

Toron paragrafia Calendadan (Tro September 2010 An Calendada (S. Calendada) (Tro Calendada (Calendada)) (Tro Calendada) (Tro C

Terrery (1): We je realiza funkcija f(x),  $x \in (a, b)$ , brade-gurbo prokidan kada portoje prode-gurbo responsijane kada u kojima je funkcija f(x) magne-kidan ali u njima sije izročijima.

Follow-1.— Note to f(x),  $x \in \{a, b\}$ , realise function to the evaluation problem of the evaluation of the evaluation

Folion to remind to f(x) or an entropy to probable particles particles  $\beta_1 \in (A_1 - A_2, A_3 + A_3)$  where  $\beta_2$  is remind to f(x) probables f(x) probables  $\beta_3$ . Since  $\beta_3$  expressions has juden break  $\beta_3 \in (0, 26)$  where

do no orally decided by  $\beta_1$  postoly has join and  $\beta_2$  taken to jet  $\beta_3$  taken to jet  $\beta_4$  taken to jet

\*(\*) - \*(B) < \*E = E [d, = d, d, ed).

LEB-LB-LINIA d.

the second of t

control do je funkcije f(z) conta-quoto prekisme postoji mes  $\beta_n \in (d_n - d_n)$ ,  $d_n + d_n)$  takov do je funkcije f(z) prekisma n  $\beta_n$ . Proje  $\beta_n$  edgovan ber jeden broj  $\lambda_n \in (c_n, z \in I)$  takov do z contaj evolini broj.  $\beta_n$  postoji me jeden broj  $\lambda_n$ 

118) - 113) > 1.

for the le

|111 - 11/2) < 26 = Eld - d, d + d).

positive a red to be project to the positive  $\mathcal{L}_{i}$   $\mathcal{L}_{i}$ 

L = 8 + 2 + 8 + 1)

takes do rankelly f(z) take parametric a takes d . The two parametric as the two parametric as takes d . The two parametric as takes d . The two parametric as takes d . The two parametric as the data of the data of the two parametric as the data of the da

The first  $\lambda_{min}$  is  $\lambda_{min}$  and  $\lambda_{min}$  is  $\lambda_{min}$  and  $\lambda_{min}$  is  $\lambda_{min}$  and  $\lambda_{min}$  are  $\lambda_{min}$  are  $\lambda_{min}$  and  $\lambda_{min}$  are  $\lambda_{min}$  are  $\lambda_{min}$  and  $\lambda_{min}$  are  $\lambda_{min}$  and  $\lambda_{min}$  are  $\lambda_{min}$  are  $\lambda_{min}$  and  $\lambda_{min}$  are  $\lambda_{min}$ 

$$(1) + (3) + (3) + (4)$$

 $\{\beta_n\}.$ 

(5.7)  $W_{n+1} - J_{n+1} \cdot d_{n+1} \cdot J_{n+1} \cdot (d_n - J_n \cdot d_n \cdot d_n)$ TO (1.4) (2.4) electric de se une intereste (de des des des de la company de la compan (5.5)

More male and majorite a discourse size (5.), enhance to the execute (5.), and th

a prese (%.1)

In (5.4) 1 (5.10) protesticular

id Sind of the Bold.

In (5.71) protetient de je rie

expectation opacitives a male size,  $p_1$  on, the property  $\{C_n\}$  and a size of the property of the size of the

(5.15)  $\left\{\begin{array}{c} \text{math bades } \mathbf{s} \rightarrow \mathbf{0} \text{ . In cross it translates (5.6) productions} \\ \text{dual to take } \left\{\begin{array}{c} \mathbf{s} \\ \mathbf{s} \end{array}\right\} \text{ translations. Consisting all express grantifies.} \\ \text{Translations on } \mathbf{s} \text{ .} \end{array}\right.$ 

Tendence produced per matter E > 0. Take je present (5.14) with  $E_{\infty} < E_{\infty}$  resolution expectation is suite with principles on the other  $E_{\infty} < E_{\infty}$  principles on seasons (5.17) with

a mestrie

terro de 10

In ones probables in the fundamental S(x) magneticus a weight S(x).

1. Policites de fantolje f(x) no sein tent toncom teros a teint  $\beta$  on it blo nell broj kajeg como esmiciti en M. Protestarino meta de fantolje f(x) ten teros a teint  $\beta$ 

In productive (5.36) election is an excitate the product the material  $\theta \in (0, 1/2)$  electron fallow that  $\theta > 0$  there is back impartion unitary

To be strong the section (3.17) we rect that he purpose vectors  $\beta_{n}$  with motored from malor.

 $\beta_{*}$  occurred the second  $\lambda_{*}$   $\lambda_{*}$ 

The production becomes the second of the sec

The state of the s

Proposition of the second seco

) B

In surely an productions.

$$|\frac{\beta_{3} - \beta_{3}}{\beta_{3} - \beta_{3}}| = |\frac{\beta_{3} - \beta_{3}}{\beta_{3} - \beta_$$

71-1/2>A.

tale je (5,20) u augustanisti se (5,17), med da protestani (5.16) mije tačne u okulio proinilizati Prokulju fin) ne mie tends benefin server a trains /3.

In conserve to to become mattered one do to me procedure mered one

Two rests (11): An je realma funkcija f(x),  $x \in \{e_1, e_2\}$ , senda guato neprekidna i isterbecamo eroka-guato probléma tada je u svekom intervalu  $(c_3, e_4)$ ,  $((e_3, e_4) \leq (e_1, e_2))$ , potendija skupa erih tošaka u kojima je neprekidno-nekvodijima jedua-ka moši tostinomen.

Takes 1.4 Pake jo f(x),  $x \in \{a_1, a_2\}$ , reside fundation to jo je avado-parto seprektosa i intervenso erado-parto problème se intervels  $\{a_1, a_2\}$ . If rest protovoljan unctop filtrinanog polimberate  $\{a_2, a_3\}$ ,  $\{(a_1, a_2) \subseteq \{a_1, a_2\}\}$ , foretraisme inverse sizere brojem i intervals se sizerel sector

Obstract as for function f(x) wend a-goard neglection portage due to the project  $a_1 \in (a_1,a_2)/2$ ) is  $a_2 \in ((a_1,a_2)/2 + a_2)$ , taken as for function f(x) neglection is a traje  $a_1$  is broken as the function of the projection  $a_1 > 0$  is  $a_2 > 0$ , taken as imagentary  $a_2 = a_2 + a_2 + a_3 = a_4 + a_4$  and as imagentary  $a_2 = a_2 + a_3 + a_4 +$ 

 $\{a_1 + a_2 + a_3 + a_4 \} \subset \{a_3 + \{a_3 + a_4 \}/2\}$ ,  $\{a_1 + a_2 + a_4 \} \subset \{a_3 + a_4 + a_4 \}$ ,  $\{a_1 + a_2 + a_4 + a_4 \} \subset \{\{a_3 + a_4 \}/2 + a_4 \}$ ,  $\{a_4 + a_4 + a_4 \} \subset \{\{a_3 + a_4 \}/2 + a_4 \}$ ,  $\{a_4 + a_4 \} \subset \{a_4 + a_4 \}/2 + a_4 \}$ .

Eaks je funkcija f(x) svada-gusto prekidas partoje dva broja  $b_1 \in (a_1 - a_2$  ,  $a_2 + a_3)$  i  $b_2 \in (a_2 - a_2$  ,  $a_3 + a_4)$  i  $b_3 \in (a_2 - a_2$  ,  $a_3 + a_4)$  takva de je funkcija f(x) prekidas i u broje  $b_3$  i u broju  $b_3$  . Brojevim  $b_3$  i  $b_4 \in (0$  ,  $2 \cdot a_3)$  takva  $a_4$  svakoj obslitni broje  $b_3 \in (0$  ,  $a_3$ ) i  $b_4 \in (0$  ,  $a_4$ ) takva de u svakoj obslitni broje  $b_3$  postoji bar jeden broj  $a_3$  , a u svakoj obslitni broje  $b_3$  bar jeden broj  $a_3$  takva de buda ispunsjeni uslovi:

and the first property of the property of the

$$|x_{i}| \leq |x_{i}| \leq |x_{i}|$$

Orizon de je funkcija I(x) orede-probo prekidem portuje dre broje

in societies in a function  $\{x\}$  problem is broken. In the problem is  $\{x\}$  in the problem in  $\{x\}$  in  $\{x\}$  and  $\{x\}$  in  $\{x\}$ 

okolini broje bil postoji ber jeden broj og nakonije.

Okolini broje bil ber jeden broj og nakonije.

Taju priovet

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 $\begin{aligned} & \{ x_1 x_2 \dots x_n \} \in \{0, x_1 x_2 \dots x_n \}^{n} \}, & \{ x_1 x_2 \dots x_n \in \{0, x_n x_n \dots x_n \}^{n} \}, \\ & \text{the fine isometries } & \{ x_1 x_2 \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \}, \\ & \{ x_n x_n \dots x_n \}, & \{ x_n x_n \dots x_n \},$ 

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All on Court Internal

$$\{p_{i}, p_{i}, p_{i},$$

Ort labored! Improvedint:

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$$\{E_{i}, \dots, E_{i}\}$$

Lad n -> (), tado nizeri pol (5.27) tele in mili, jer

s is top proteined in je

In granjeg proteiles de fibrirenos misu (5.21) esparar jedem i espa jedem trales brij, hojeg écas comediti en  $r(\{k_n\})$ , a loji pripade crise disportes misa (5.22) e i ertes disportes siza (5.22), an je istorrenesa granične vrednost misura is (5.22) had a test beskupačnosti.

In integration periods determine tennesses (1) productions in the formal design function of f(x) and f(x) and f(x) are the foliable tenness tenses a tense tense tense tenses.

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Take result first soil alows  $\{t_n\}$  some bitt kentimus-capes protetient in a realist brojens  $r(\{t_n\})$  tenso tentimus-capes to a protection manner remains  $\{e_n,e_n\}$ , put then to  $\{e_n,e_n\}$   $\{e_n,e_n\}$ .

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In comme terme (I) & (II) Levell bi cladein termes

bejo in objectings:

Tenrens (III): No je renim fembrija f(x), siegod  $x \in (a, b)$ , sveis-gurte prekiden i intervence meda-gurte maprekiden , toda u renim-gurte podintervelm intervelm (a, b) portoji stup točeka D u kojima je fembrija f(x) neprekiden ali mije diferensijebilm: . Famila-int broj skupa D jednek je moši kombinanen ali mjegova poma spāc bitt jedneka mili.

Teorem (I) soft of restant I be portelles termes (II) .

Department former (I) as obspress juste telegram toji je en
početka ovog paragrafa islačan, publikanam je, a vrio milo issenjenos oblika, a reda //.

Problem (I): Also je realiza funkcija f(x),  $x \in (a, b)$ , evakciganto prokiden i istovreneno svoko-gasto neprokiden, ča li postoji svoko-gasto zasporekjeni slap brojem ? u kojima je funkcija f(x) neprokiden alli u njima nem ni komčan ni bestomčan izvol ? Also je okgovor za ovo pitenje potvrdan nemeće no problem (II): Snót potencija slapa D?

distributions of the second se

Terrors: No je f(x),  $x \in (a_1, a_2)$ , realise fundacije koje je svede-gorto prekićen i istorromeno svede-gorto poperidan, tede u svekom intervalu  $(a_1, a_2)$ ,  $((a_1, a_2) \in (a_1, a_2))$ , postoji kontinum-smogo težnih u kojim je funkacije f(x) nepretidan aliju u jednoj od njih nem pi levog ni demog isvoda.

Tokes. Polyton of realme fundation f(x),  $x \in \{e_1, e_2\}$ , while je evaluation problem is interested and evaluation approximate. I protevoljmen filestromen interested  $(e_3, e_4)$ ,  $((e_3, e_4) \in \{e_1, e_2\})$ , unademo trojeno i intereste ma elecciói machin :

Fix) represents a tools of a solution to temporal solution of the solution of

$$2^{n}$$
  $(a_1 - a_2 + a_3 + a_4) \subset (a_3 + (a_3 + a_4)/2)$ ,

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United such a fill from the large  $x_i \in \{1, 2\}$  ,  $x_i \in \{1, 2\}$  , and the original region between

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 $(1) \quad \text{where } \in \{0, \frac{1}{2}, \dots, \frac{1}{2}\} \quad \text{a substant weak two forms}$ 

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Softrom on je fambolja f(x) sveda-gueto proklam, sesam ugoti dva broja  $b_1b_2...b_d$   $\in (a_1b_2...b_d)$   $b_2b_2...b_d$   $\oplus (a_2b_2...b_d)$   $b_2b_2...b_d$   $\oplus (a_2b_2...b_d)$  sa continum da je fambolja f(x) proklama i u tooki  $b_2b_2...b_d$  i u tooki  $b_2b_2...b_d$   $\oplus (a_2b_2...b_d)$   $b_2b_2...b_d$   $\oplus (a_2b_2...b_d)$   $b_2b_2...b_d$   $\oplus (a_2b_2...b_d)$  sa continum da se u svakoj okolimi broja  $b_2b_2...b_d$  malami bar jedam broj  $a_2b_2...b_d$  au svakoj okolimi broja  $b_2b_2...b_d$ 

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$$|S(x)| = 2|a_{1}| + |a_{2}| + |a_{3}| + |a_{4}| + |a_{$$

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Take just (x, x, y) a superduced in (x, x, y) probablish in family x(x) a take  $a(\{x, y\})$  name at densit torot.

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Problem (III): Also je realem funkcije f(x),  $x \in (a, b)$ , svada-gusto prokidem. As li svada-gusto prokidem i interremeno svada-gusto negrekidem, da li suvitoji svada-gusto responsijemi skap brojova, kojeg čeno esmačiti sa G, a kojima je funkcija f(x) negrekidem ali a njima nesmat konačnog ni bekomačnog ni lovog ni desmog invada '

### IN IN PROPERTY OF THE PARTY OF

PERIL CONTRACT OF CONTRACT PARTY AND ADDRESS OF THE PARTY AND ADDRESS O troj north problem elje ti redenje bila el interetu. U me m ken ju police i konton principalis navelli konton tukun puokikoneen 11 se problem t commo ne recise funkcije jedno promuzijive, po se cimb process the problem in secretor analogue plants is in realise faultelle el bendue-more menerano promentiforia. Se ellima più mija rogle the protected to the figured protection beatment and marrians present from foots on the second of their problem. t an Ope templetense funkcije beje savise bilo of jedno bilo di tone income a tongleterally mentaline promitified. John of problem the of the philosophe and the land major the series projection despera toll so perinju u over redu han I skupere herjere kejt de so pojeriti eri erredi meredenih predime.

the tracks sent reason do tracks whom the medical tracks problems reje je autor over rada rannate u [10] , [20] 1 [21] . Problem tibe a redevise [19] 1 [20] terms to persona to problems the ever rule dot so a redevine [12] i [21] prondes plienje sprobelmelje rælpih brojen beja so mise vepska principle as pri referențe problem leji ce pojevijuju u veri problemblie orne rade.

I redu 19 debratie no establishment in melle blace beneficie such funkcija boje melee el el lapolas-meso accertant proces-Livin i furnisaju se ito prestije funkcije beje pripadaju pojedints of the Klam. Sensite definition particular pates of the Klam dije es egulotemella della mijo i considero je en la .

istinction to the consistence blass outs beneficiable from the

toje triae of a toplicanth secretare prometjivih i of tojih

- 1°. Periodia elas sende-guelo respersijanto baista o kojim je funkcija prekijas;
- In care main a kontinuos-suogo a sentuj olimeti i a kojim je funkcija neprekidan i u kojima sa medavaljane Condop-Rismans-ove jednočine za sve nepovisno promenljive ali ni u jednoj od tih tačaka ne postoji pareljalni izveć ni po jednoj od nesavisno procenijivih;
- 7°. Sprietire skap sende-gasto respondienth tuista bojih im mere mila a kontinuos-mogo u sendoj oblasti i u bojiha postoje pareljalni izvoli po i semo po umpret proizvoljas usionoj gropi nemavimo prompiljivih;
- 4°. Sprietira simp erada-garto rasporedjenih tašain kojih
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  temoći po svima nemavima promenljivi- sli funkcija mije diferakcijebilan ni u jednoj od tih tašaka;
- 5°. Pankelja nije diferencijabilna ni u jednoj tečki i ako je u svoje-gusto resperedjenim tečkem , kojih ima u svojej oblasti kontimus-mago, neprekišma i ako sen tepa u svoje-gusto zakporedje niu tečkem ima sve pareljelne izvoje.

Polacoico teorem bijo so mineo a dregoj glavi, mater a reda
[20] reredjuje pitenje diferencijebilnosti i pitenje izvelljivosti
funkcije boje mvice od komčno-enego menevicno presentjivih. Autor
vredi zatiz pojem diferencijebilnosti u čiren salsiu, odnosne uglavne
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- 3. Četković Diferencijabilnost funkcija koje su neprekidne u svuda-gusto rasporedjenim tackama Vesniz Drustva mat. i fiz. NR Srbije, X , 1-4 , 1958 . (U stampi) .
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- 3. Četković Aproksimacija transcendentnih brojeva preko proizvoljnog niza svuda-gusto rasporedjenih realnih brojeva (Rad nije do sada publikovan ali je prijavljen kao naucno saopstebje za IIIkongres matematicara i fiz. Jugoslavije koji ce se održati septembra 1959).

## SADRILI

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