(120 min.) Dis - M1-2016/19 16TRES NAPISATI IZRAZE MATEM, MODERA SHUPM U de SUSTAMU
U REZATIVNIM JEDINICAMA (PER UNIT) ZA ELENTRIO.
VELIZINO (did i) dig) . BAZNE VRIJEDNOSTI SU: 20SL)/ SPA), ag su Mo-V2 Mfn, I = T2 I fn, we = 27 fn = web
Lift my loans Iself very: ZNAZINA VEJEDNOST
ELEKTRIE
VRINE
VRINE 2/5) Pools did = 1 (ud-Rsid + we Laig) (2) dig = 1 (ug-Rsig-weldid-wellmg) iden = id lden = ld; la = Za | PSPU = RS IB | LB | WB | PSPU = RS Wepu= we | Dugpo = Dug o Do UB | uppo = Wo UB 1) Iz. diden - we luden. Us - Rski ZB. isen Iz +

dt ZB. LDRU L + were ws. Lgro. ZB. isen Iz

was dispo = WB [words-loro, sro tst were laro igro : 23] dispo = was [UDPO - i DPO PSPO + WEPO L gro gro]

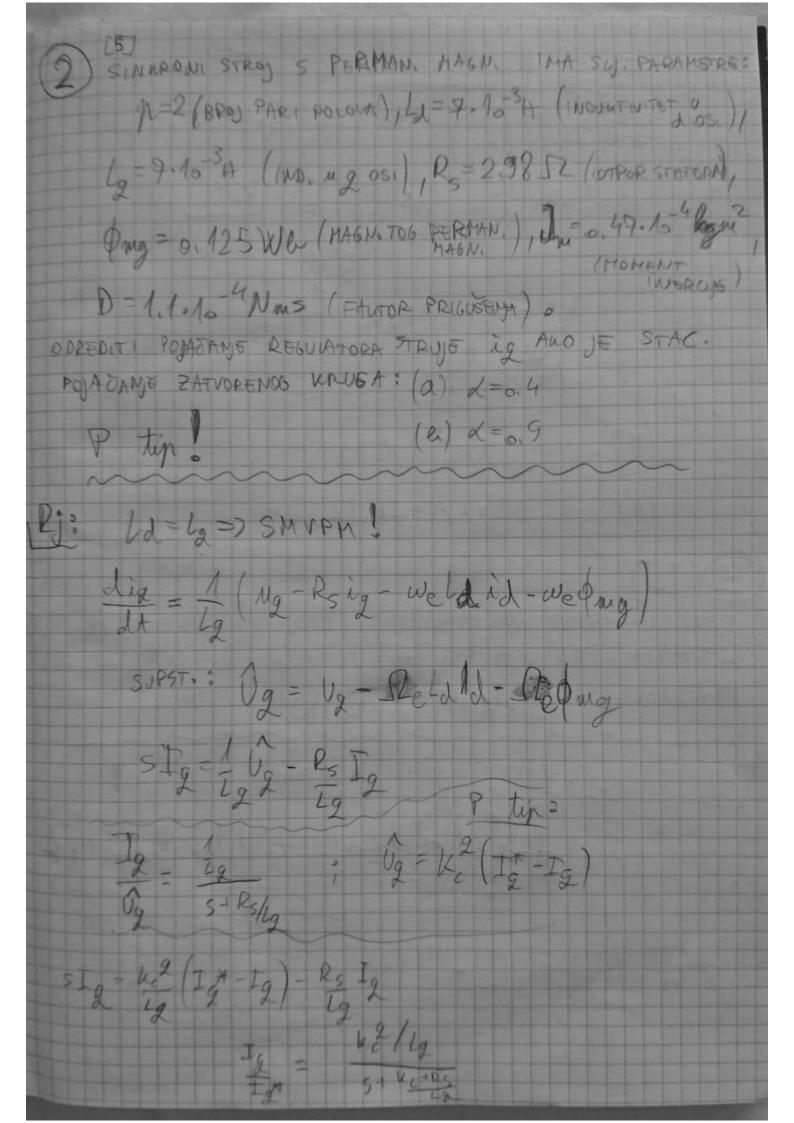
(2) dig = 1 (ug-Rsig - wetdid - webrig) Is. dign = 48 [OBMgr, - 23 Pseo 12 po - 3--W3. Wero. 73. LDFO. 13. 1940-W8. Wero. 18. Angro W8. Wero. 78. LDFO. 18. 1940-W8. Wero. 18. Angro digpo = We [ugpo-Rspvigpo - Wepolder ideo - Wepa bruggo] VERZUA HOJA BUSE MOBILA POJAVITU WA ISPITU: ODREDI LUEM N. P.V., SHUPM & 21:3) Im dwm = Mem Dwm - Mx

(3) Im dx = Mem Dwm - Mx

(2) = 3 n (2mg/g - (ld-lg) idig] SMUPP

= 8 20 SMVPM In Ope downer - M& Memor - D& Dev. WHS WARD - M& MEDO Jm Whe Lumpu - M& Mempu - MB. WB. Dpown. Po - M& Mxfo dumen - Mis Memor - Drucompo - Mero]

- Maring Memor - Drucompo - Mero]



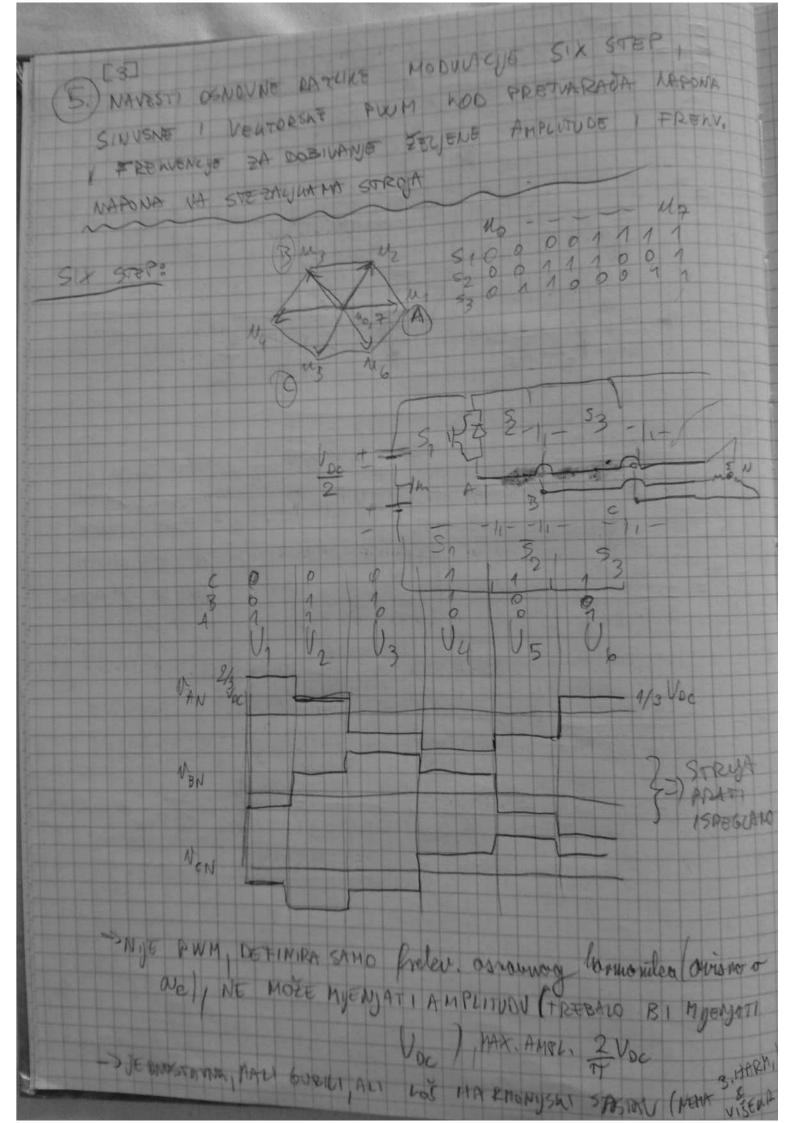
12 Stg + K2 + R5 40 -125 2=?=) d= linsIg == S=0 Ig =1 22- 42x + 05x ue = lod (a) 2 = 0.4=> k = 1.99 (b) L=0.9=> N2=26.82 (3.) [6] ODREDI IZRAZE ZA PARAMETRE PID New. POZICIJE (KC, CI, E SMVPM. PRIJ. FJA PID reg. JE C(s) = ke (1+ 1/21 + Tos).
REGULATOR STRUJE ig JE P TIPA (WAO U ZAO. 2.) Ve - 1 Re SMVPM (Ld=42) 552c= # {3 nong lg + (Ld-Lg) ld lg - Dac-Me}

SHUPM, = p 5520 = 1 3 pmg I2 - D sie

2 Jm Prug 42 sla + 49 + 125 SLg (1-2) + Rgd + Rg (1-2 3 12 Dug Rs Te # = x. Psd Ig = x Stg(1-2) + Rs Jms +1 3 T anga > 6 I = 5 (5+ 0) ((s) = 12 (1+ 1 + Tos) 1 (6(s) = 6 (5+0)5 EATU URUG (PID): C(s)G(s) 53-1520 + 40 56 - KE / 6-15/2 1+ ((5)6(5) JER JE 2 RED 32 (5+a) してらしんとしているとしての 215) De 53152(0140000) +5(400) + 4000

(52+28005+00m2)(5+10mm)= y = 53+52 (0+ Ve to b) +51 Keb + Light 53-52 (Mam-2 gum) +5 (2 g Mum + 2) - Mum = y 2) V= 28 mwn² +wn² a= D/Jm 0=34 prigo 3/ t = 28 n+1 1) 0+Kt to 0-10n-128un=) To= wn(28-1)-a
28 non2-10n2 (4) [4] SHIM (PARAMETRI 17 ZADIZ) RAPI U ROGULACUI MOHENTA. REG. STRUE JE (P) TIPA 5 POINTHIEM 12=10 Rs. DARSOITI STATICKU GREEKU (ODSTUPANJE STUAPHE OD ZELJENE VRIJOV STACI STAUD) STRUJE ig NA Shohovitu PROHJENN POSTAVYENE VELIČINE MOMENTA, MOM S DYMNA 1 Nom 9 SHVPM & La= Lg

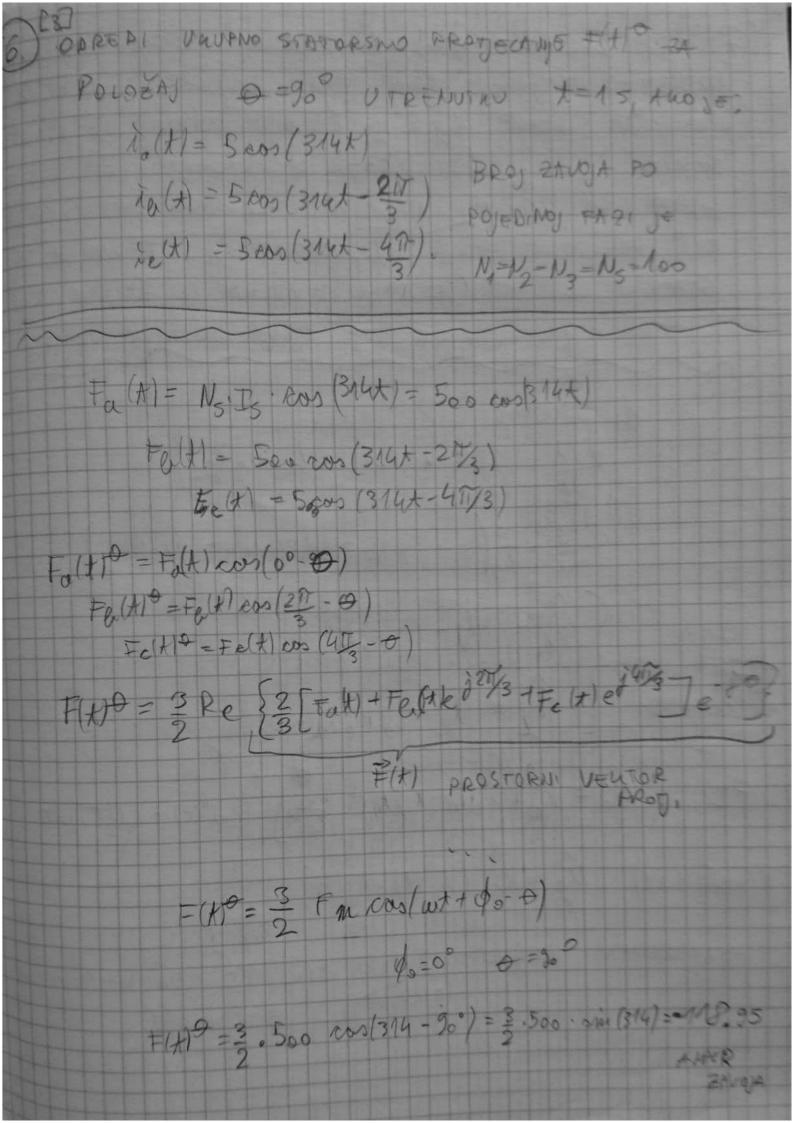
1- 12 1 Ro 2 + Rs E = 562-125 Ig = 562-125 = O SMUPH MOD SMUPH Ig = 2 Mem = 3 n mg Mem = { SER SE LIJA POSTAN we (Suousvira 5 lg + 12 2 3 ps pmg



SINUSMA(PINM-> MYENJA MARL, & frelev, NO STOC N 3 USPORED BA ~> ~ => 12UTZ TE HTE (Su/4/2=1) 1-210510C 100 ref. - vea gulier strong tracq stelesposines bolgi spetetor,
u luicomous podruela roda (ma - 40 2) 12112 PROPORCIONALAN REFERENCI " NEW DA DE ZERO-SEQUENCE (1 rum im (3 wet), DOSTE REFERENCE DA 31 SE POVECA O LINEARNI RASPON MODICACYE

(2 NE BILLO OGRANICENO MA VOC/2) In - S reprime risklevolish referentine Prelio. DA SE SHANG!

VENTORSNA PINN (SUPWIN) -> one o 2 VARAMORIST Meletime ovisha o SENTORU WORISTIS 2 VENTORITE) bremenous odsjewie 2 NI WA NPR SO -> M2, M2, M0, M9 DAZNE UB Ma No un un My My Man Mo SENTOR Voc ja su maximumi lean, veletara 3 MAX. AMPLITUDA



(7) DA SUSTAV UPPAVIJANJA BRZINOM VETIJE SINIKRONOG MOTORA S UNITARMIM PERM, MAGN. WAPIGATI IZRAZE ZA DPRAVYACHE SIGNALE My ing (UNEFM. DOMEN) 12 REGULATORA STRUJA id i ig (UZETI U OBZIR DASPREZAME). ZA DOBIVENE ERAZE ZA UZ i UZ NACRTATI BLOWDVSKU SHEMU. COASDA TIP REGULATORA STRUJE id, odnosno ig TALLAN DA JE STATICIA GRESHA (ODSTUPANE STVAR NE OD ZELJENE URJ.) STAC STRIUL BRENE VETNE STROAT JEDNALA NULL. In SMUPM

did = 1/ud a-Rsid + Lg weig dig = 1/ug - Rsig - Idweid - wedny IZLAZI SAZ - Ud + Lg we ig 12 REG WARAL 1/2 = 1/2 - Laweid-weding MARKERIAN PI 12 = 12 (idt - idt) + 12 (idte) - id(t))de P(MOZE 181) lig = Kc (ig (t) - ig(t)) - MADRESON REGULATOR MORA BIT, PT TIPA DA STATICHA (BRZINE) GRISHA = X

12-02-19 u)(+) = û)(+) - Lg wetig(+) = Ladidly + Rsia(+) - Lawelling(+) ug (x) = ug(x) + ld we(x) if (x) + we(x) & mg ug(+1-dig(+) elg + Rsig(+)+Ldwe(+) ig(+1+we(+)dug