Chopmynon gue zagar I Boenplumen (1) Тарионический состав воспрешению мапренсения Vdd(V) max 2 Vdo COSd V1+ m2 D2 + g2 d VM= Vaa + Van, Van = E Vaa(vinex Sin/Dmwt + 40) Пармонический состав потреблеешого тока - Ognapaznowi YB - mpercoagniori YB i/(wt)= 2/3 Id [sinwt-sin 5wt-sin 4wt ...], (mem remunoix a reparture 3) (3). y= arccos (cosx - Id xa Vaprus) - 2 (13) Vagmax = \$\sqrt{2} V2gp. (4) cosip, = cos(d, T) cosT (4) kozop monthocum A=PS P=m'Vigo Ini) Cosiqi S=m'Ui Ini) COSUP1 = - 1 D. 2 + Tu2 A = Kuck Cosifa, Kuck = III (5) uckancenne marpeneenne K= Pen , Pen= Va Id Per Per= M'V, go I 190 cos (P1 6 AUROMA = Idaa 1 Vday = Vdocosd - Tdxa (8) Dea = Vkip Vigo um Dea = Vkip Vago 100 I ago 9 Ivs = VI SIN dut Ivsep = 1 SINdwt (10) KysI = Ivs Kysy = Valo max (1) S= m' Vip I1 P= M' VI III) cos (1) Q= m' VIZIA SINGA (12) Voopmax = V20p (DMYB)

Voopman 2 2 Vegs (OHYB)

Valpmax. Vannax. V6 Verp (TMYB,)

YBria Monniso JAC

1 Egb = Vagnax cos 2

2 Icp = 2 (Vagnuar coswt - Egb) dwt = 2 Vagnuax [sin 1 - 1 cos 1]

- (3) Vdocosd > Egb => penoun merpeforbuero mora
 Vdocosd < Egb >> speporbuernous 70x
- 7 20 > Menpeporbu > < 211 -> npeporbucmous

(5) Vd. = PnId. + Egb

(6) Imp= 1 1 (Vap-Epl)dwt

2. Unibepmopor
Э Оторонной парашеньной инвертор (автономной) тока
Ivs as = Id Ivs regions = To Pd = Ud Id = Uc I while
Day 1/2 () w Sinh () Day of = 720d I whomax (1)
Uc = VH. B>Wtboei., W= 275, E= Vd (Kpus > PHI + 4) Pmin + 19 quinces
напринении с использованием ШПР
KA - Kommernbo munyrocob <u>rumennono borx manpina</u>
С - вешчина шинумосов
Кар-количество интупьсов дзариото напринения
borcoma uningroscob $\frac{E}{3}$ um $\frac{2}{3}E$
$Kqp = \frac{3}{d} K_n, \alpha = \frac{180}{Kqp}$
3) Abmononimente umbepmopor
Do = Dufpey WLz = 1 WCk
p-e Saranca:
P-e Saranca: == iund Ry + Lz dimb + 1 Simb dt. LS D2 + Pup + 1 Cx 3 = R4 + 2 Rx2 = 1
Ck P1,2 = 1 = 12 = 0 ± 1 200
Em RH 2L2 Em RH2 - 1 <0 -> KONED NOOGECC.
Tok unbepropa. 9-T = iumb = E-Velo) . E S.n Wot. LEWO CATA
9-1 = Lund = - 18 8. n Wot.
$T = T \Rightarrow iunb = \frac{Vc(\overline{I})}{L_{5}w_{0}} e^{-\delta(t-\overline{I})} \sin(w_{0}t-\overline{I}).$
Lucial 202E RM
VRW2+(Wolz-1/2)
+ Mousmoenne 6 BH.
armubual reaughorno our cenin

Pa-VaId

· akmubuar moushooms B ceme Pron- m' Ugo I (11) Cos (B- I)

. реактивыем монтость QBH = M' Up IHD SIN (B-) (QBH = Ptg (B-8) Q . normal monghiocom S=m'Ugp I1 · Kosq Monghoem $\mathcal{D} = k_1 \cos(\beta - \mathcal{T})$ Мощности автополиного Q = Varil Imbin Sin B. Q = VeIe - UnInsiny Moucem npuroquicie. · BH d+B= U

B= J+ Smin

Idn = Vegmax [cos(B-7) - cos/3]

B = arccos [- Taxa - cas Smin]

tg B = Ye The cosign - tg Cfm., Te-npolog, eurocan. Im-npolog, marpyku.

Vn = V25 1+ (Me - 194) 2.