ПРЕДВАРИТЕЛЬНЫЙ РАСЧЕТ ТРАНСФОРМАТОРА

СТУДЕНТ:

И С Х О Д Н Ы Е Д А Н Н Ы Е

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SN= .2900E+08В.A UN1= .9000E+04В UN2= .3500E+05В PKN= .1460E+06ВТ

P0N= .2400E+05ВТ UKN= .8500E+01% AI0N= .5100E+00% T1= .5500E-03М

T2= .5500E-03М BM1= .3200E-02М BM2= .3200E-02М BP= .0000E+00М

B01= .2000E-01М B12= .2700E-01М B23= .2700E-01М BPO= .3000E-01М

BMF= .3000E-01M DELBJA= .1100E+00M DELNJA= .6500E-01M SIGMA= .2910E+08С/М

GAMMA= .2730E+04КГ/КУБ.М AKU= .1100E+01 CO= .2500E+03Р/КГ AKO= .2200E+01

DS= .4800E+00 .5000E+00 .5300E+00 .5600E+00М

SCT= .1657E+00 .1788E+00 .2014E+00 .2259E+00КВ.М

HJA= .4650E+00 .4850E+00 .5200E+00 .5400E+00М

VUG= .6770E-01 .7580E-01 .9120E-01 .1071E+00KУБ.М

BK1= .0000E+00М BK2= .1920E-01М BR= .0000E+00М RP= .1000E+01

Р Е З У Л Ь Т А Т Ы Р А С Ч Е Т А

DS В E0 H AJ K P0 AI0 UK ZG М

.48 1.56 .5480E+02 .2578E+01 .1407E+07 .1082E+06 .2204E+05 .2673E+00 .8350E+01 .8438E+06 1

.48 1.58 .5551E+02 .2526E+01 .1425E+07 .1082E+06 .2254E+05 .2787E+00 .8287E+01 .8239E+06 1

.48 1.60 .5621E+02 .2474E+01 .1443E+07 .1081E+06 .2303E+05 .2917E+00 .8229E+01 .8047E+06 1

.48 1.62 .5691E+02 .2384E+01 .1460E+07 .1081E+06 .2363E+05 .3114E+00 .9986E+01 .7874E+06 3

.48 1.64 .5761E+02 .2334E+01 .1478E+07 .1081E+06 .2422E+05 .3326E+00 .9901E+01 .7696E+06 3

.48 1.66 .5832E+02 .2284E+01 .1496E+07 .1081E+06 .2482E+05 .3610E+00 .9823E+01 .7519E+06 3

.50 1.56 .5914E+02 .2297E+01 .1475E+07 .1092E+06 .2274E+05 .2857E+00 .8190E+01 .7843E+06 1

.50 1.58 .5989E+02 .2247E+01 .1494E+07 .1092E+06 .2327E+05 .2982E+00 .8140E+01 .7660E+06 1

.50 1.60 .6065E+02 .2159E+01 .1513E+07 .1092E+06 .2371E+05 .3118E+00 .9807E+01 .7488E+06 3

.50 1.62 .6141E+02 .2110E+01 .1531E+07 .1092E+06 .2435E+05 .3331E+00 .9735E+01 .7318E+06 3

.50 1.64 .6217E+02 .2061E+01 .1553E+07 .1094E+06 .2493E+05 .3556E+00 .1058E+02 .7150E+06 3

.50 1.66 .6293E+02 .2013E+01 .1571E+07 .1094E+06 .2566E+05 .3871E+00 .1051E+02 .6993E+06 3

.53 1.56 .6661E+02 .1891E+01 .1597E+07 .1110E+06 .2398E+05 .3200E+00 .9915E+01 .6964E+06 3

.53 1.58 .6746E+02 .1842E+01 .1617E+07 .1109E+06 .2459E+05 .3344E+00 .9867E+01 .6805E+06 3

.53 1.60 .6832E+02 .1793E+01 .1637E+07 .1109E+06 .2518E+05 .3507E+00 .9827E+01 .6652E+06 3

.53 1.62 .6917E+02 .1745E+01 .1657E+07 .1108E+06 .2590E+05 .3751E+00 .9588E+01 .6503E+06 3

.53 1.64 .7003E+02 .1697E+01 .1677E+07 .1108E+06 .2660E+05 .4014E+00 .9564E+01 .6361E+06 3

.53 1.66 .7088E+02 .1650E+01 .1697E+07 .1108E+06 .2742E+05 .4375E+00 .9547E+01 .6224E+06 3

.56 1.56 .7471E+02 .1563E+01 .1723E+07 .1125E+06 .2552E+05 .3573E+00 .9347E+01 .6227E+06 3

.56 1.58 .7567E+02 .1517E+01 .1744E+07 .1125E+06 .2620E+05 .3736E+00 .9334E+01 .6088E+06 3

.56 1.60 .7663E+02 .1471E+01 .1766E+07 .1124E+06 .2687E+05 .3922E+00 .9331E+01 .5954E+06 3

.56 1.62 .7759E+02 .1464E+01 .1788E+07 .1124E+06 .2766E+05 .4199E+00 .9104E+01 .5824E+06 3

.56 1.64 .7854E+02 .1419E+01 .1809E+07 .1123E+06 .2845E+05 .4498E+00 .8918E+01 .5699E+06 3

.56 1.66 .7950E+02 .1374E+01 .1831E+07 .1123E+06 .2936E+05 .4907E+00 .8934E+01 .5580E+06 3

П Р И М Е Ч А Н И Е

В ПОСЛЕДНЕЙ КОЛОНКЕ ОБОЗНАЧЕН ТИП ОБМОТКИ НИЗШЕГО НАПРЯЖЕНИЯ, ВЫБРАННЫЙ ЭВМ:

1-ВИНТОВАЯ ОДНОХОДОВАЯ,

2-ВИНТОВАЯ ДВУХХОДОВАЯ,

3-НЕПРЕРЫВНАЯ КАТУШЕЧНАЯ.

И Н Д У К Ц И Я Р А Д И А Л Ь Н О Г О П О Л Я Р А С С Е Я Н И Я (Т)

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Y = 0.5 0.6 0.8 0.9 1.0 0.5 0.6 0.8 0.9 1.0

DS B В Д О Л Ь О С И О Б М О Т К И 1 В Д О Л Ь О С И О Б М О Т К И 2

.48 1.56 .00037 .00060 .00219 .00609 .03249 .00007 .00010 .00008 -.00118 -.02424

.48 1.58 .00040 .00065 .00236 .00646 .03299 .00010 .00014 .00018 -.00111 -.02430

.48 1.60 .00044 .00071 .00255 .00685 .03350 .00013 .00019 .00028 -.00103 -.02437

.48 1.62 .00070 .00111 .00365 .00861 .03115 .00025 .00034 .00032 -.00188 -.02711

.48 1.64 .00076 .00121 .00392 .00908 .03174 .00031 .00043 .00046 -.00182 -.02717

.48 1.66 .00084 .00132 .00422 .00958 .03237 .00038 .00053 .00061 -.00174 -.02725

.50 1.56 .00060 .00097 .00333 .00836 .03527 .00029 .00042 .00073 -.00073 -.02438

.50 1.58 .00066 .00106 .00360 .00885 .03587 .00035 .00051 .00089 -.00064 -.02446

.50 1.60 .00106 .00165 .00506 .01091 .03375 .00061 .00084 .00103 -.00158 -.02720

.50 1.62 .00116 .00181 .00543 .01149 .03445 .00072 .00099 .00122 -.00150 -.02728

.50 1.64 .00142 .00221 .00651 .01346 .03782 .00092 .00124 .00142 -.00165 -.02406

.50 1.66 .00155 .00241 .00697 .01413 .03860 .00107 .00143 .00162 -.00159 -.02413

.53 1.56 .00185 .00284 .00782 .01518 .03904 .00147 .00192 .00215 -.00129 -.02462

.53 1.58 .00205 .00312 .00841 .01600 .03998 .00169 .00219 .00239 -.00123 -.02473

.53 1.60 .00226 .00343 .00904 .01686 .04097 .00193 .00248 .00263 -.00118 -.02485

.53 1.62 .00242 .00366 .00954 .01765 .04252 .00216 .00276 .00296 -.00092 -.02465

.53 1.64 .00268 .00402 .01026 .01861 .04362 .00245 .00309 .00322 -.00088 -.02479

.53 1.66 .00296 .00442 .01102 .01963 .04477 .00275 .00343 .00347 -.00085 -.02495

.56 1.56 .00350 .00515 .01225 .02109 .04571 .00329 .00400 .00382 -.00083 -.02453

.56 1.58 .00388 .00566 .01315 .02224 .04699 .00364 .00437 .00405 -.00084 -.02473

.56 1.60 .00430 .00623 .01411 .02346 .04835 .00399 .00474 .00426 -.00089 -.02496

.56 1.62 .00430 .00623 .01408 .02337 .04808 .00401 .00475 .00426 -.00085 -.02475

.56 1.64 .00463 .00667 .01491 .02454 .05011 .00436 .00514 .00461 -.00063 -.02462

.56 1.66 .00513 .00734 .01600 .02590 .05163 .00472 .00550 .00478 -.00074 -.02492