

RO 6.2m  
AO 2.0m  
XEO 1.5  
XE1 1.0  
XDO 0.3  
BTO 5.3T  
NRHO 160  
XLO 9.404389E-03

BETAPO 4.00260359E-01 9.33247125E-05  
FO 1.64300016E+08 9.73828268E-08  
EO 1.48266494E+00 5.05827567E-08  
DO 7.75584057E-02 1.52130551E-08  
BETAP 1.67579025E-01 1.47060113E-04  
BETAT 7.56200589E-03 7.35389969E-05  
BETAN 5.32763600E-01 7.34888194E-05

(BETAPO and FO are in the units as used in original VMOMS)

Numbers in black are data from original VMOMS’s run.

Numbers in blue are relative errors compared with my code’s run.

Numbers in red are maximum relative errors in that category.

X	RO	ROP	EO	EOP	R2	R2P	ROPP	EOPP	R2PP
5.09388000E-02	3.15256643E+00	-9.15591791E-03	1.30171180E+00	-5.57586290E-02	1.09487315E-04	4.28183284E-03	-1.80770591E-01	3.72888088E+00	8.42783377E-02
1.38161078E-01	3.15108037E+00	-2.49392726E-02	1.30155587E+00	1.84452534E-02	8.06430122E-04	1.17425872E-02	-1.81751877E-01	2.38293350E-01	8.72070938E-02
2.44593248E-01	3.14739037E+00	-4.44939919E-02	1.30468774E+00	3.97697091E-02	2.56252382E-03	2.13928185E-02	-1.86314747E-01	1.93332732E-01	9.49736014E-02
3.53102148E-01	3.14144945E+00	-6.51799515E-02	1.31019044E+00	6.22688569E-02	5.46728214E-03	3.24051306E-02	-1.96109548E-01	2.26806000E-01	1.09314956E-01
4.61091846E-01	3.13323569E+00	-8.72867256E-02	1.31834948E+00	9.00361240E-02	9.64541920E-03	4.54133153E-02	-2.15476125E-01	2.94005364E-01	1.33776516E-01
5.70119262E-01	3.12237477E+00	-1.12644702E-01	1.33012116E+00	1.28126726E-01	1.54653024E-02	6.21268041E-02	-2.54088908E-01	4.17316258E-01	1.77025497E-01
6.77069604E-01	3.10875344E+00	-1.43426105E-01	1.34658122E+00	1.83818087E-01	2.32493207E-02	8.48426223E-02	-3.30678433E-01	6.51339531E-01	2.56616473E-01
7.85058260E-01	3.09107447E+00	-1.86974511E-01	1.37103224E+00	2.78243273E-01	3.41740772E-02	1.20519176E-01	-4.99033004E-01	1.17293668E+00	4.27779734E-01
8.92008603E-01	3.06760812E+00	-2.59301186E-01	1.40949988E+00	4.66065735E-01	5.01452424E-02	1.85943425E-01	-9.27577198E-01	2.61396027E+00	8.76797199E-01
9.94805515E-01	3.03432655E+00	-4.12550122E-01	1.47762001E+00	9.53616202E-01	7.57747516E-02	3.39639574E-01	-2.41823244E+00	8.45408058E+00	2.53123951E+00
Relative Errors	6.60441918E-07	1.31880729E-04	6.09590757E-06	1.55961012E-02	2.85580997E-04	2.99961984E-04	8.26566692E-06	5.83829730E-03	2.67961837E-04
	6.64287452E-07	8.52173676E-05	4.83227615E-06	8.65600154E-04	2.63673286E-04	2.32985503E-04	4.61833267E-05	1.82900682E-03	3.34679886E-04
	5.41838393E-07	8.32780105E-05	5.70109321E-06	1.46656068E-04	3.77823490E-04	1.09450125E-04	9.69273382E-05	4.19079580E-04	1.09219037E-03
	7.49159427E-07	8.52743562E-05	6.03140267E-06	1.84853262E-04	3.19721504E-04	1.82123972E-04	9.14072553E-05	1.24203342E-04	6.46122664E-04
	9.45100826E-07	8.90496856E-05	6.73488952E-06	2.25604846E-04	3.38317417E-04	1.64751069E-04	1.05141709E-04	5.40143581E-05	6.74251304E-04
	9.08743261E-07	1.19110473E-05	5.56892943E-06	1.33645808E-04	1.59482565E-04	1.28519998E-04	1.70714840E-04	4.25002990E-04	2.20712312E-04
	1.97580069E-06	1.61542568E-04	9.58276220E-06	4.52600181E-04	3.09275278E-04	4.59150625E-04	1.89871211E-04	8.06446362E-05	2.71727140E-04
	1.03276253E-06	3.47313252E-04	2.06354085E-06	1.21616101E-03	1.14261764E-04	5.66110877E-04	1.66256196E-04	2.61404058E-04	1.09737843E-04
	8.10324872E-06	9.61407915E-04	5.63311788E-05	2.35965698E-03	5.58339293E-04	1.68383920E-03	1.40601376E-03	1.64849979E-03	1.50135460E-03
	2.90884604E-06	2.05146745E-04	1.62562488E-05	3.81416724E-04	1.97673747E-04	3.45217962E-04	3.93844133E-04	4.87491230E-04	4.42381036E-04

X	P	PP	I	IP
5.09388000E-02	9.91517007E-01	-3.33251595E-01	5.13135828E-03	2.01976925E-01
1.38161078E-01	9.38706696E-01	-8.65871549E-01	3.75622734E-02	5.38820267E-01
2.44593248E-01	8.17680895E-01	-1.37575269E+00	1.15359820E-01	9.14534092E-01
3.53102148E-01	6.50584996E-01	-1.65992224E+00	2.32452437E-01	1.22977793E+00
4.61091846E-01	4.68192250E-01	-1.67380607E+00	3.77928108E-01	1.44572103E+00
5.70119262E-01	2.96280473E-01	-1.44476306E+00	5.41701913E-01	1.53434706E+00
6.77069604E-01	1.61118299E-01	-1.06666052E+00	7.03619063E-01	1.46536791E+00
7.85058260E-01	6.87813163E-02	-6.46901369E-01	8.49860132E-01	1.20938599E+00
8.92008603E-01	1.93463676E-02	-2.92747945E-01	9.56242025E-01	7.42074072E-01
9.94805515E-01	3.42557253E-03	-2.20366288E-02	9.99765813E-01	6.53234571E-02
<i>Relative Errors</i>	2.58865541E-04	1.82669009E-04	1.76365980E-07	2.01078559E-06
	2.58873557E-04	2.64305477E-04	1.64288246E-07	1.29603399E-06
	2.58905485E-04	2.56237445E-04	2.66457420E-08	5.12969144E-08
	2.58892460E-04	2.57018940E-04	1.50255814E-08	3.63192678E-07
	2.58807697E-04	2.57101037E-04	7.85743569E-08	5.92078501E-07
	2.58834264E-04	2.49607769E-04	3.63341193E-08	6.40075470E-06
	2.58972951E-04	2.58996880E-04	7.51392163E-08	2.61533266E-06
	2.59256271E-04	2.57196996E-04	6.26802940E-08	6.20179865E-06
	2.58378987E-04	2.57503362E-04	1.70080059E-08	1.10789478E-05
	2.58814849E-04	3.40788328E-04	3.56688633E-09	1.40438025E-06

X	ELLIPTICITY	TRIANGULARITY	Q	PSI (in Gauss*cm**2)	F/F0	FFP/F0^2	PHI (in Gauss*cm**2)
5.30155152E-02	1.30161655E+00	8.94514285E-03	8.06161046E-01	3.13552140E+07	1.07367992E+00	-1.98083557E-02	2.56564600E+07
1.40237778E-01	1.30168629E+00	2.36990731E-02	8.11079502E-01	2.21713760E+08	1.07076728E+00	-5.13727777E-02	1.79399248E+08
2.46150509E-01	1.30503988E+00	4.21568118E-02	8.31694603E-01	6.77129280E+08	1.06395721E+00	-8.47167969E-02	5.53376064E+08
3.58293414E-01	1.31116474E+00	6.28385767E-02	8.69566679E-01	1.40902310E+09	1.05352056E+00	-1.10388920E-01	1.17560230E+09
4.64206159E-01	1.31980109E+00	8.41144696E-02	9.25070763E-01	2.30868378E+09	1.04164350E+00	-1.22368351E-01	1.98206566E+09
5.70118845E-01	1.33207154E+00	1.08032309E-01	1.00807273E+00	3.37551053E+09	1.02910542E+00	-1.20345779E-01	3.01129728E+09
6.76031590E-01	1.34953356E+00	1.36096403E-01	1.13371181E+00	4.56705536E+09	1.01738334E+00	-1.03806630E-01	4.28305357E+09
7.88174510E-01	1.37712801E+00	1.73387989E-01	1.34759068E+00	5.90998579E+09	1.00750959E+00	-7.24565759E-02	5.93768448E+09
8.94087255E-01	1.41934597E+00	2.21952796E-01	1.70572078E+00	7.19816653E+09	1.00180852E+00	-3.51393856E-02	7.88000819E+09
9.93769825E-01	1.49319100E+00	2.93965966E-01	2.42109036E+00	8.37629952E+09	1.00001001E+00	-2.43982929E-03	1.02457969E+10
<i>Relative Errors</i>	4.95211972E-06	2.85999040E-04	4.76728969E-06	1.88890630E-04	2.18629842E-06	3.17142867E-03	8.27216970E-05
	5.06265754E-06	3.22558154E-04	5.79329224E-06	2.69531301E-05	2.14307266E-06	3.16759993E-03	1.56634785E-05
	5.79836018E-06	3.77375396E-04	7.28255065E-06	7.08029029E-06	1.88275317E-06	3.17301182E-03	7.77165788E-06
	6.37012081E-06	3.00470577E-04	8.94395555E-06	1.93547332E-06	1.55937853E-06	3.17048300E-03	6.21119003E-06
	7.37309773E-06	3.39127791E-04	1.14073138E-05	2.13311283E-08	1.24199307E-06	3.16685387E-03	6.58255554E-06
	6.07271191E-06	1.59638220E-04	8.61604191E-06	1.11100245E-06	8.57084535E-07	3.15746106E-03	7.56957670E-06
	1.10099340E-05	3.07091479E-04	2.54507146E-05	3.16600681E-06	5.21739013E-07	3.18133271E-03	4.80740781E-06
	1.09915196E-06	7.16855934E-05	3.93358632E-05	3.35081426E-06	1.49829879E-07	3.10015831E-03	1.03332638E-05
	6.42744780E-05	5.40854011E-04	2.32752441E-04	2.14325587E-05	3.50629400E-07	3.40754869E-03	2.47365615E-05
	2.16963818E-05	1.90863545E-04	8.76434581E-05	7.88011541E-06	7.14553647E-08	3.22892525E-03	3.06756347E-05

X	AGSQRT	AGTTGS	AGRHO	ARIF	AR2IF
5.30155152E-02	2.17305273E-01	1.74221285E-02	7.96802759E-01	3.17229211E-01	1.00648627E-01
1.40237778E-01	5.75347245E-01	4.60708588E-02	7.95020163E-01	3.17535490E-01	1.00928679E-01
2.46150509E-01	1.01239955E+00	8.10091272E-02	7.92487621E-01	3.18286091E-01	1.01616263E-01
3.58293414E-01	1.48059702E+00	1.18271202E-01	7.87871420E-01	3.19555670E-01	1.02781981E-01
4.64206159E-01	1.93222272E+00	1.53789714E-01	7.80804515E-01	3.21249187E-01	1.04338199E-01
5.70118845E-01	2.40040803E+00	1.89638585E-01	7.69744754E-01	3.23513031E-01	1.06412210E-01
6.76031590E-01	2.89921737E+00	2.25704059E-01	7.52350688E-01	3.26529473E-01	1.09145671E-01
7.88174510E-01	3.49560714E+00	2.63674736E-01	7.21996963E-01	3.30981612E-01	1.13081053E-01
8.94087255E-01	4.21377134E+00	2.98172802E-01	6.71440125E-01	3.37367296E-01	1.18483573E-01
9.93769825E-01	5.32966518E+00	3.27012867E-01	5.79373062E-01	3.47789526E-01	1.26771137E-01
Relative Errors	1.20131010E-05	1.58184471E-05	2.90905878E-05	4.46959126E-07	1.04808324E-06
	4.94020618E-06	1.62335577E-06	4.80196905E-06	8.42940835E-07	1.45468356E-06
	5.26370588E-06	2.23623248E-06	4.05628197E-06	1.00565180E-06	1.46681208E-06
	6.28402483E-06	2.11470640E-06	5.29567448E-06	8.96397805E-07	1.97728227E-06
	7.85321558E-06	1.65989093E-06	7.61992217E-06	1.50086206E-06	3.10426675E-06
	2.21923249E-07	7.43073767E-06	4.65762522E-06	5.19925941E-07	1.51092495E-06
	2.03740069E-05	2.76965057E-06	2.49573323E-05	4.01753175E-06	8.18549848E-06
	1.07242505E-04	8.10542712E-05	1.71149248E-04	7.82916087E-06	1.32355150E-05
	2.97284220E-04	1.24656240E-04	4.03777842E-04	3.35667570E-05	6.04115157E-05
	8.36742185E-05	1.58910908E-05	9.81939644E-05	1.10680559E-05	1.98508886E-05

INPUT PRESSURE AND CURRENT PROFILES:

