

/home/smae/github/test\_fig\_stdout/tests/test\_data  
2025-05-28 21:16:34

cmemo

memo="GKV-plus f0.64 developed for pre-exa-scale computing"

calct

calc\_type="nonlinear",  
z\_bound="outflow",  
z\_filt="off",  
z\_calc="cf4",  
art\_diff=0.1d0,  
init\_random=.false.,  
num\_triad\_diag=0,  
vp\_coord=0

triad

mxt = 0, myt = 0/

equib

equib\_type = "analytic"

run\_n

inum=001,  
ch\_res = .false.

files

f\_log="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/log/gkvp.",  
f\_hst="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/hst/gkvp.",  
f\_phi="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/phi/gkvp.",  
f\_fxv="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/fxv/gkvp.",  
f\_cnt="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/cnt/gkvp."

runlm

e\_limit = 3600.d0

times

tend = 200.d0,  
dtout\_fxv = 10.d0,  
dtout\_ptn = 0.1d0,  
dtout\_eng = 0.1d0,  
dtout\_dtc = 0.1d0

deltt

dt\_max = 0.01d0,  
adapt\_dt = .true.,  
courant\_num = 0.5d0,  
time\_advnc = "auto\_init"

physp

R0\_Ln = 2.22d0,  
R0\_Lt = 6.92d0,  
nu = 1.d0,  
Anum = 1.d0,  
Znum = 1.d0,  
fcs = 1.d0,  
sgn = 1.d0,  
tau = 1.d0,  
dns1 = 1.d-2,  
tau\_ad = 1.d0,  
lambda\_i = 0.d0,  
beta = 0.d0,  
ibprime = 0,  
vmax = 4.5d0,  
nx0 = 10000

rotat

mach = 0.d0,  
uprime = 0.d0,  
gamma\_e = 0.d0

```

nperi
n_tht = 1,
kymin = 0.05d0,
m_j   = 4,
del_c = 0.d0

confp
eps_r   = 0.18d0,
eps_rnew = 1.d0,
q_0     = 1.4d0,
s_hat   = 0.8d0,
lprd    = 0.d0,
mprd    = 0.d0,
eps_hor = 0.d0,
eps_mor = 0.d0,
eps_por = 0.d0,
rdeps00 = 0.d0,
rdeps1_0 = 1.d0,
rdeps1_10 = 0.d0,
rdeps2_10 = 0.d0,
rdeps3_10 = 0.d0,
malpha  = 0.d0

ring
ring_a = 0.5d0,
kxmin  = 0.05d0

vmecp
s_input = 0.5d0,
nss = 501,
ntheta = 384,
nzeta  = 0

bozxf
f_bozx="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/vmec/"

iqsp
s_input = 0.5d0,
mc_type = 0,
q_type  = 1,
nss = 101,
ntheta = 49

iqsf
f_igs="/data/lng/maeyama/gkvp/f0.64/benchmark/ITGae-nl/eqdsk/"

nu_ref
Nref = 4.5d19,
Lref = 1.7d0,
Tref = 2.d0,
col_type = "LB",
iFLR = 1,
icheck = 0

log
# nxw, nyw  = 84 42
# global_ny = 27
# global_nz = 24
# global_nv, global_nm = 32 15
# nx, ny, nz  = 55 13 6
# nv, nm      = 8 7
# nzb, nvb    = 2 2
# number of species = 1
# nproc , rankg = 64 0

# q_0          = 1.3999999999999999
# s_hat        = 0.8000000000000000
# eps_r        = 0.1800000000000000

# lx, ly, lz   = 50.0000000000000000 62.8318530717958623 3.1415926535897931
# lz, z0       = 3.1415926535897931 -3.1415926535897931

```

```

# lz_l, z0_l   =      0.7853981633974483  -3.1415926535897931
# kxmin, kymin =      6.2831853071795868E-02  5.0000000000000003E-02
# kxmax, kymax =      3.4557519189487729  1.3500000000000001
# kperp_max    =      3.7100837356208185
# m_j, del_c   =      4  0.0000000000000000
# dz           =      0.1308996938995747
# dv, vmax     =      0.1428571428571428  4.5000000000000000
# dm, mmax     =      0.3000000000000000  4.5000000000000000

# time_advnc   = auto_init
# flag_time_adv=  0
# courant num. =      0.5000000000000000
# dt_perp      =      1.0037137408411121E-02
# dt_zz        =      2.0362174606600510E-02
# dt_vl        =      5.4869684499314127E-02
# dt_col       =      1.5793231773418350
# dt_linear    =      1.0037137408411121E-02
# maximum time step dt_max =      1.0000000000000000E-02
# dt           =      1.0000000000000000E-02

# a, b, nu*_ab =  0 0  3.1502208398595292E-02

```













