

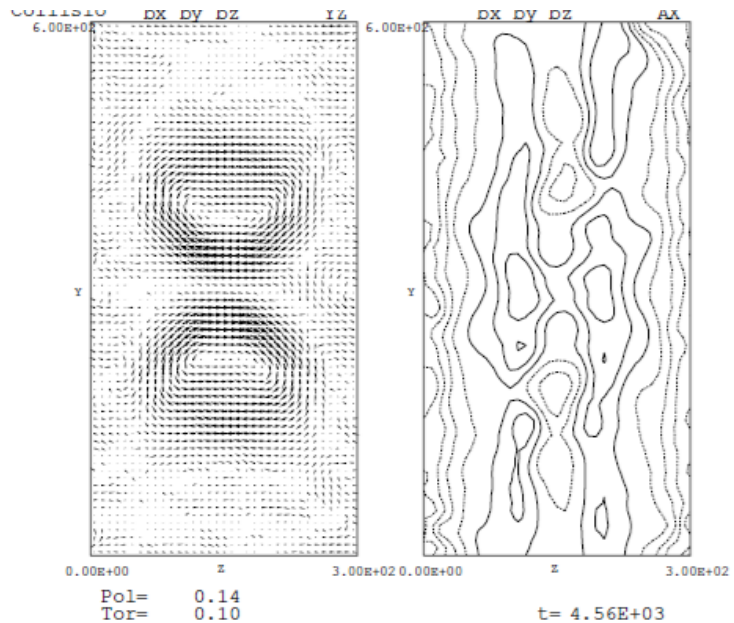
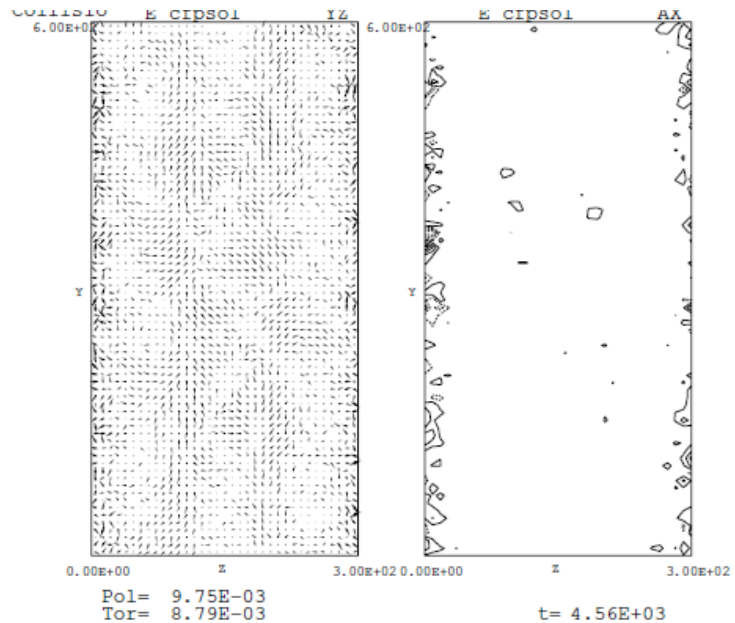
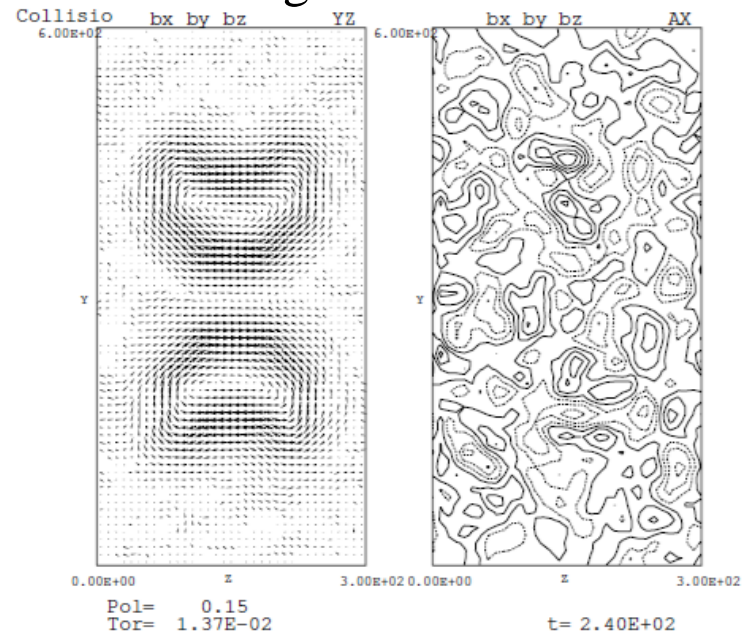
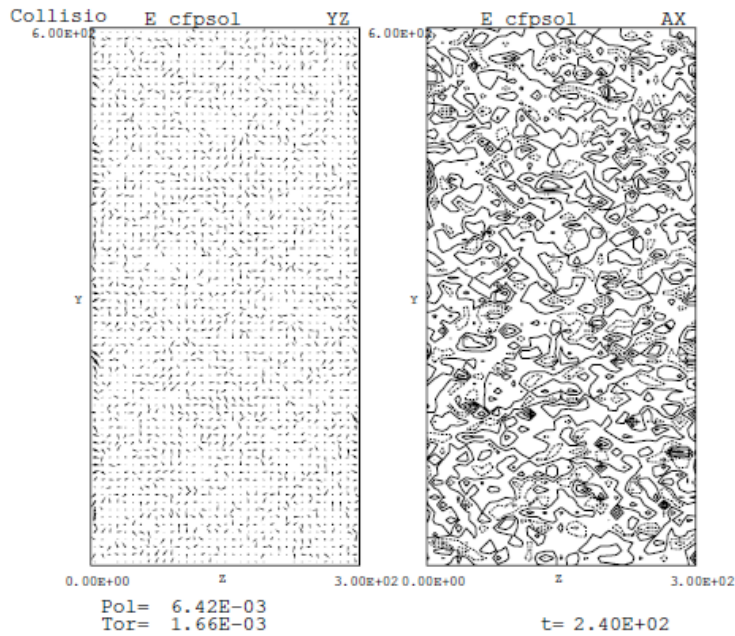
# Macro-particle Electromagnetic Simulation (Tanaka, JCP 1995)

Electric field

Magnetic field

Figure 1

$t=250$



$t=4500$

# Figure 2

\*\*\*\*\*

## Twin Flux Bundles

kstart=0,tfinal=5000.d0,cptot=200.1d0

System: 300x600x300 c/wpe

Time step: dt=1.2

wspec(1)=100.d0,wspec(2)=1.d0

qspect(1)=1.0d0,qspect(2)=-1.0d0

vbeam(1)=0.35d-2,vbeam(2)=-0.35d-2

wce\_by\_wpe=0.2,te\_by\_ti=1.0

Ez0=2.5d-3

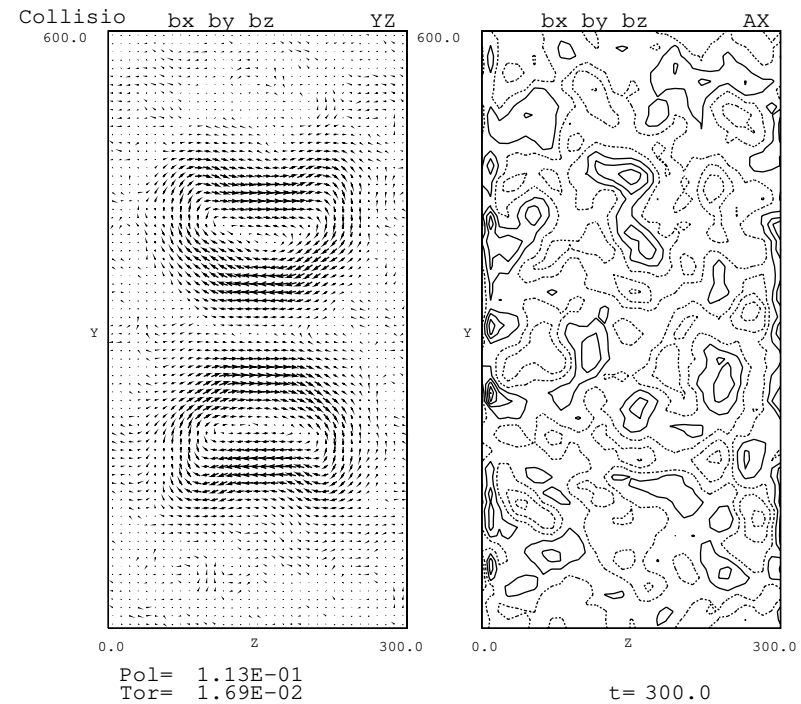
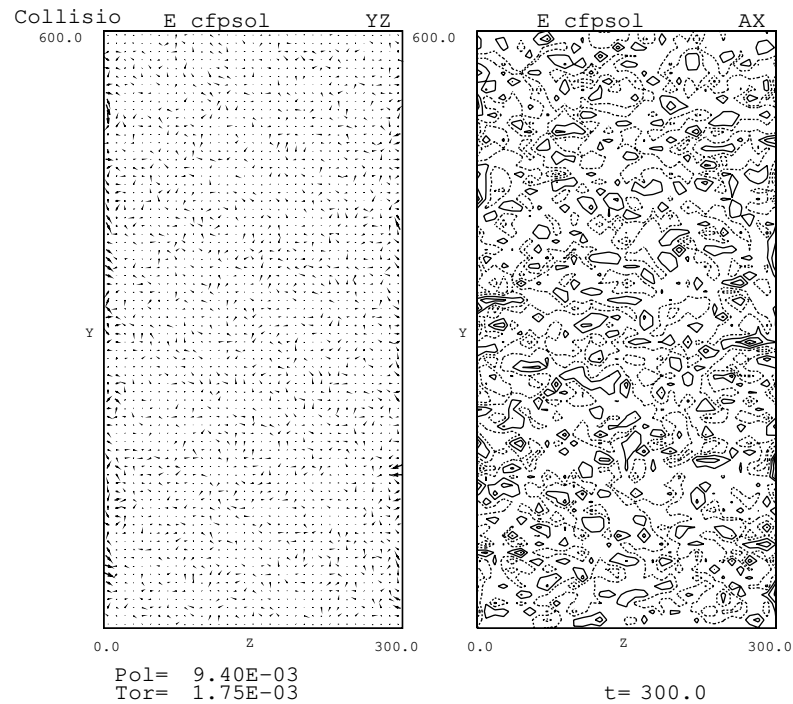
aimpl=0.6d0

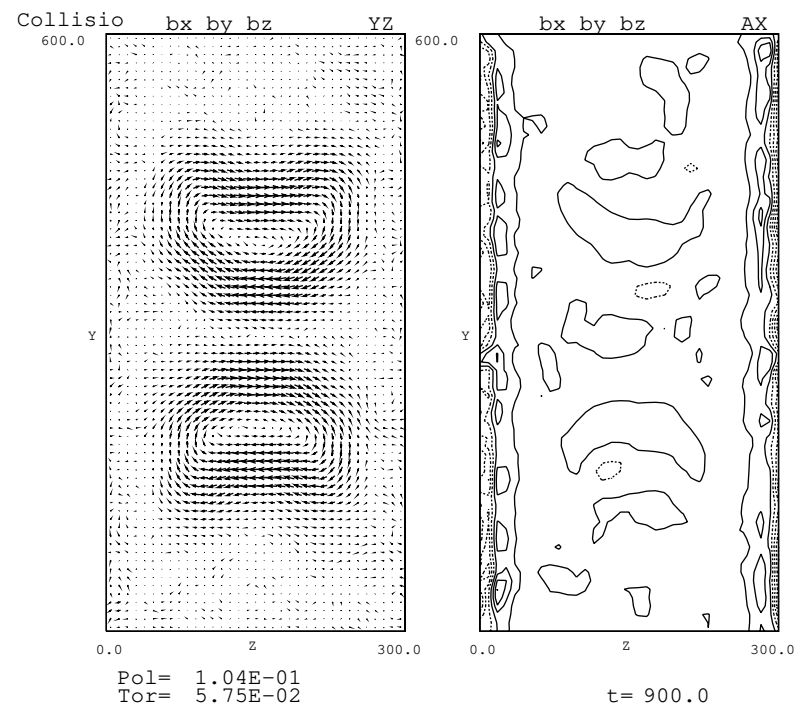
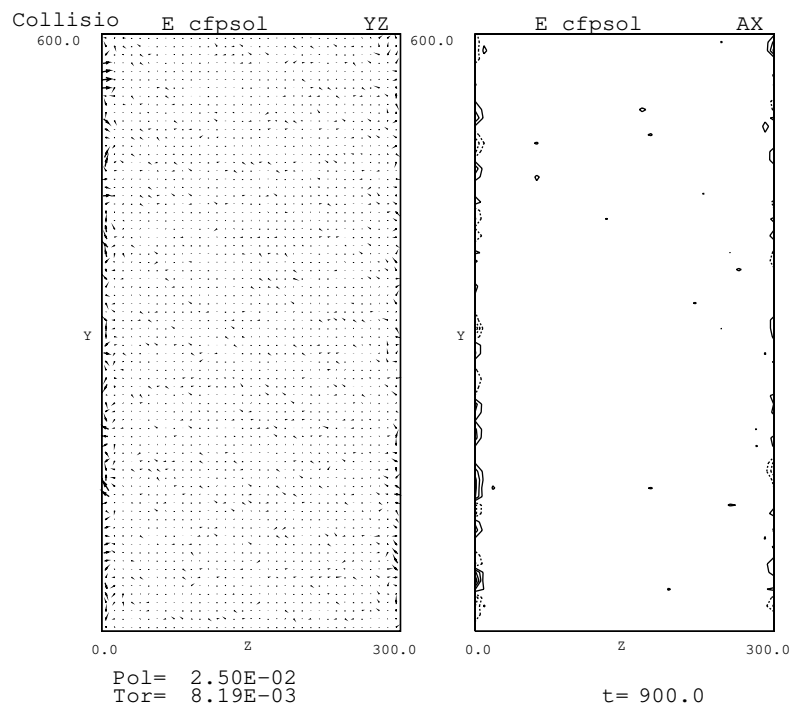
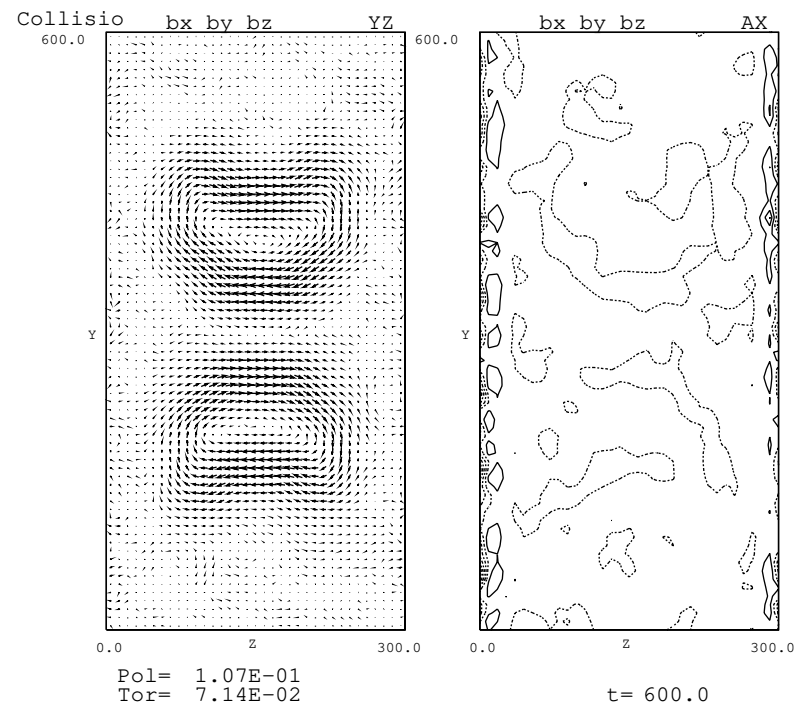
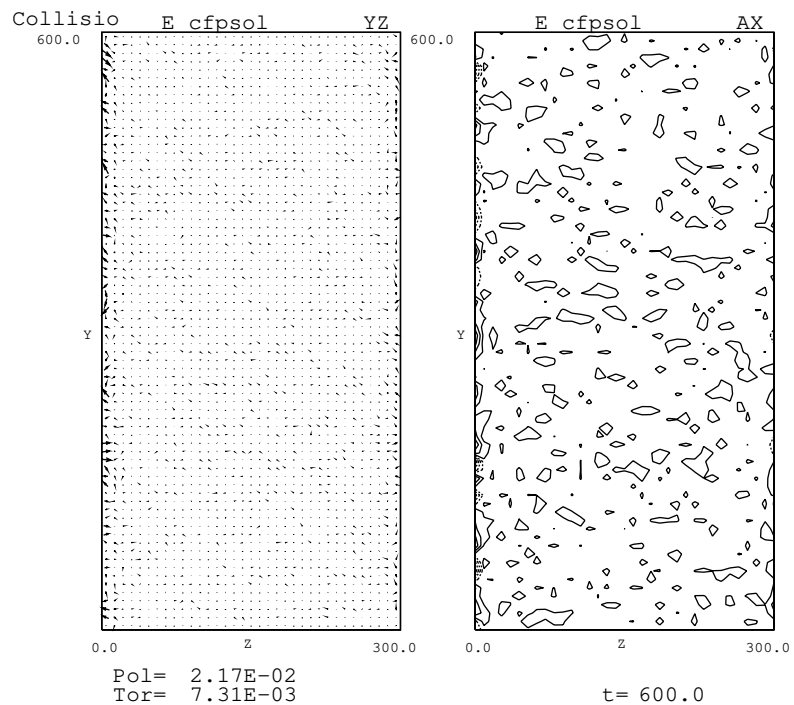
\*\*\*\*\*

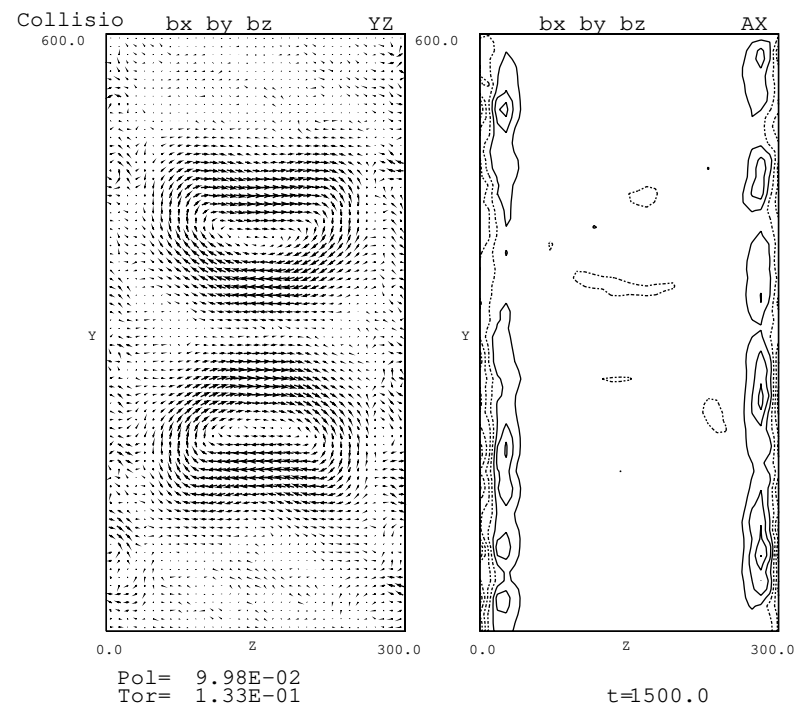
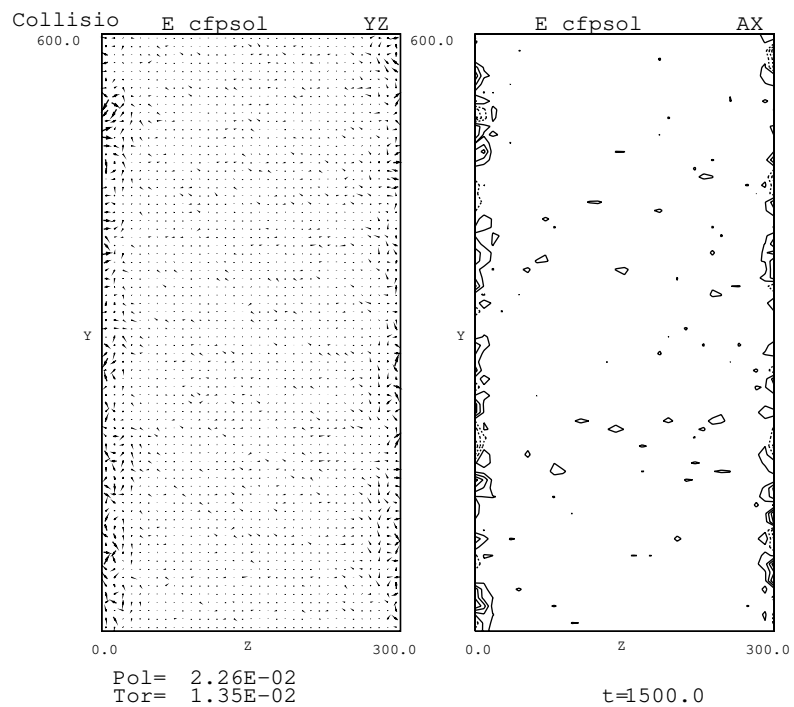
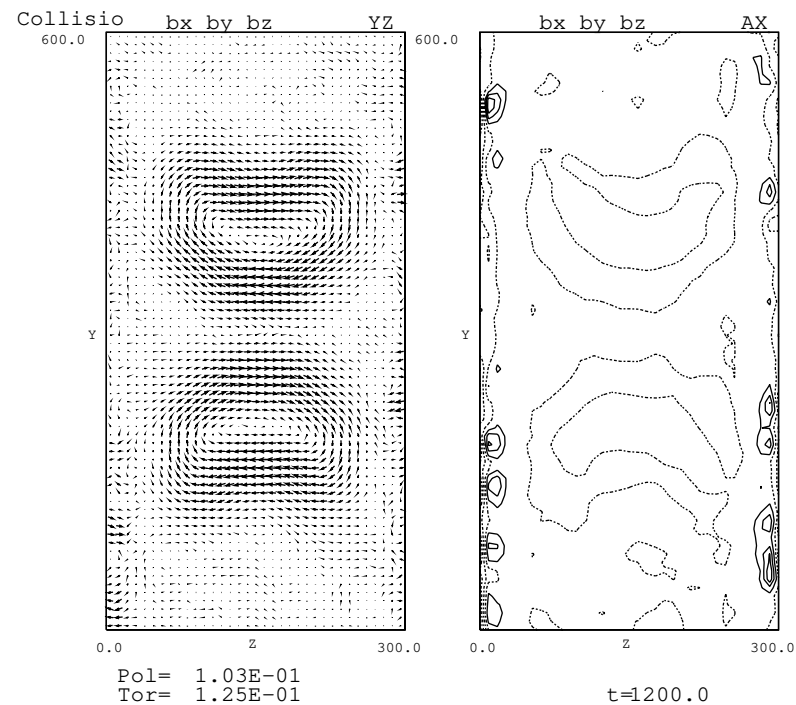
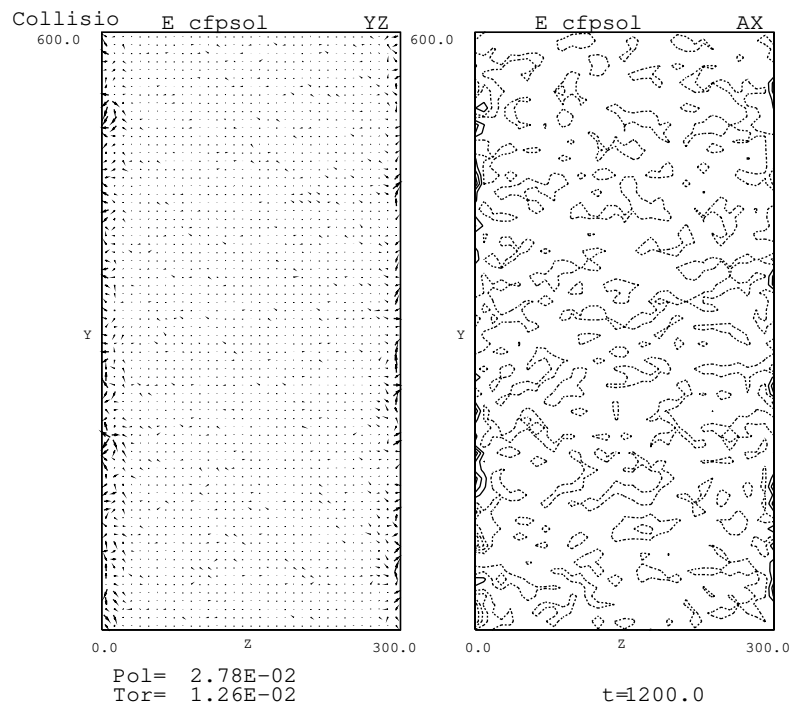
<https://github.com/Mtanaka77/>

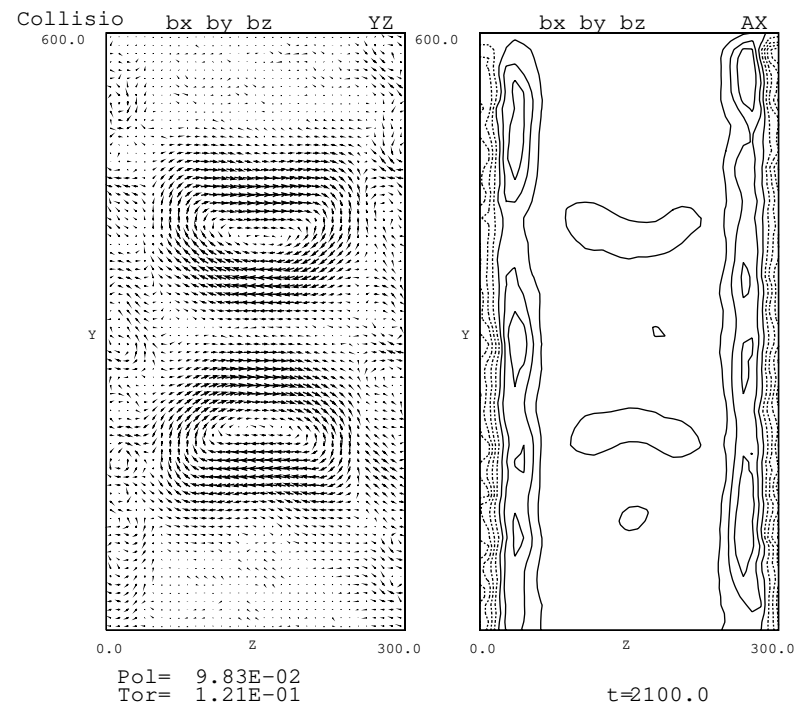
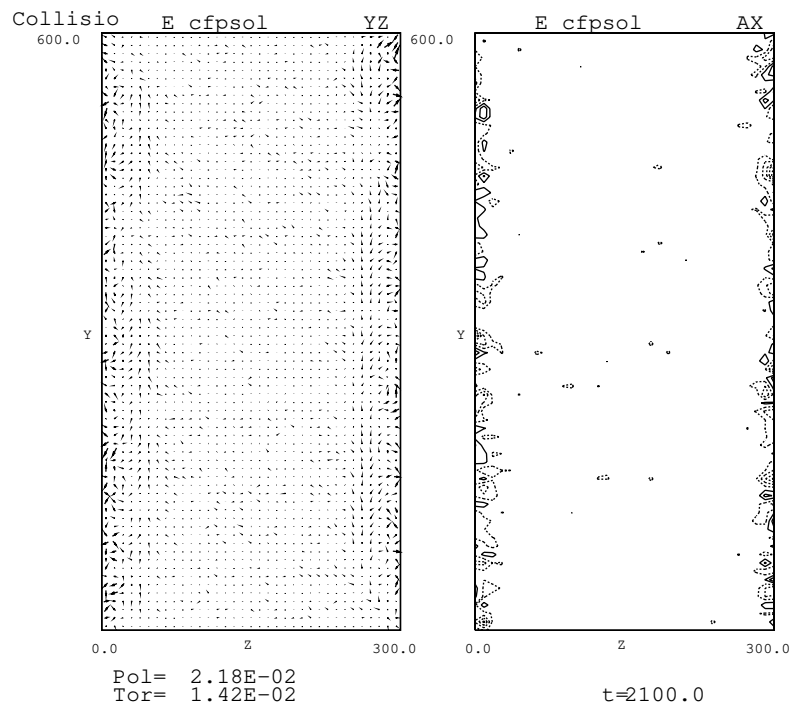
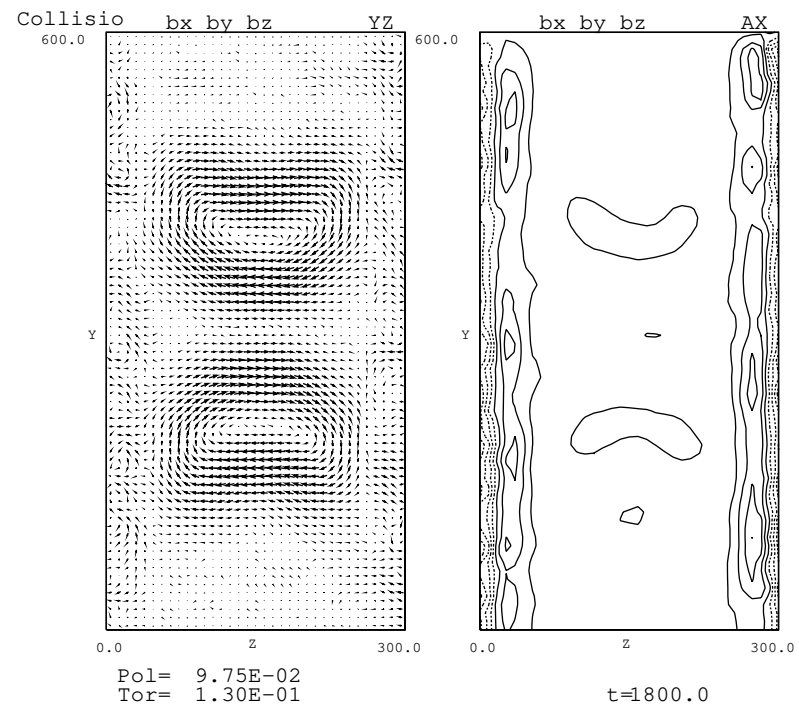
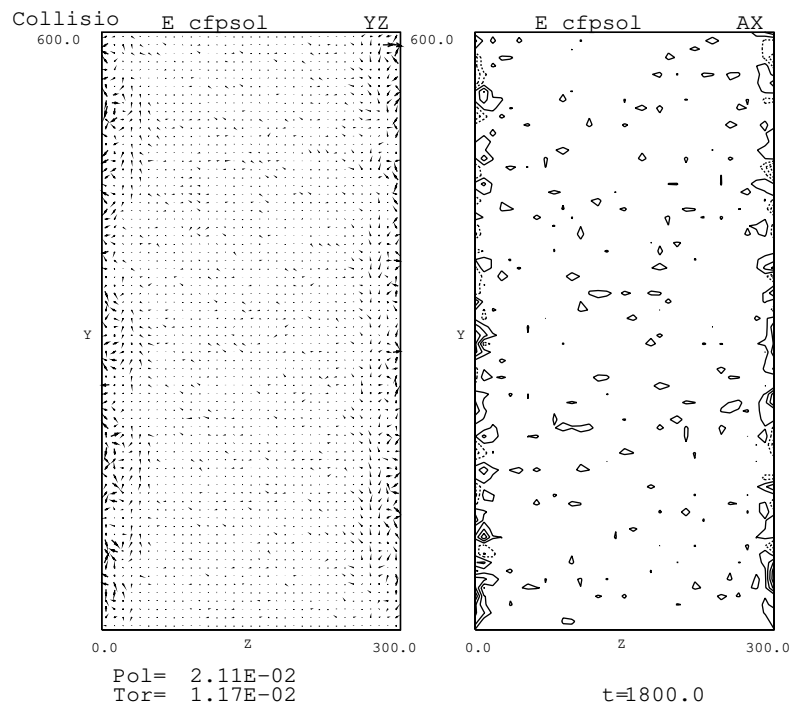
Macro-particle Simulation for Magnetic Reconnection

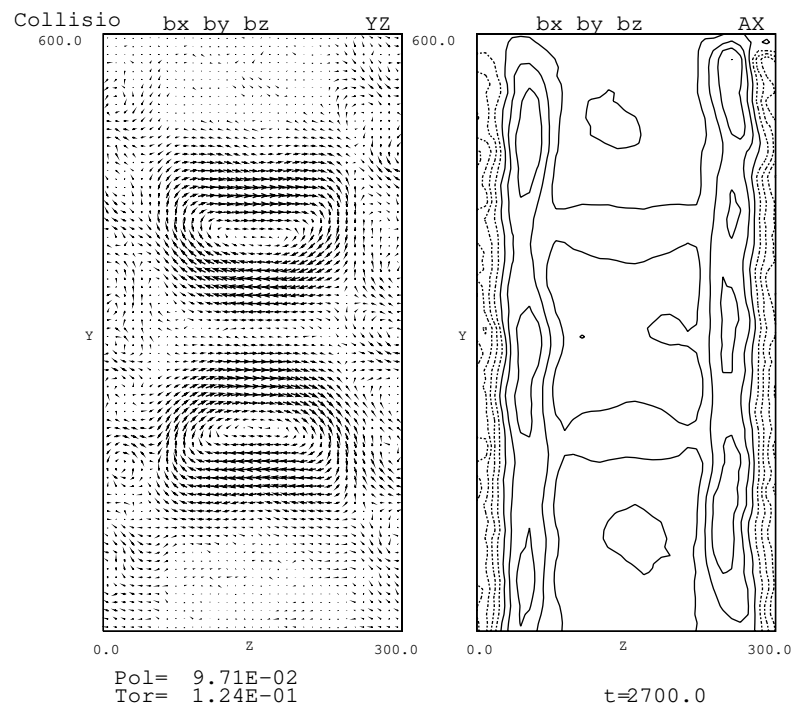
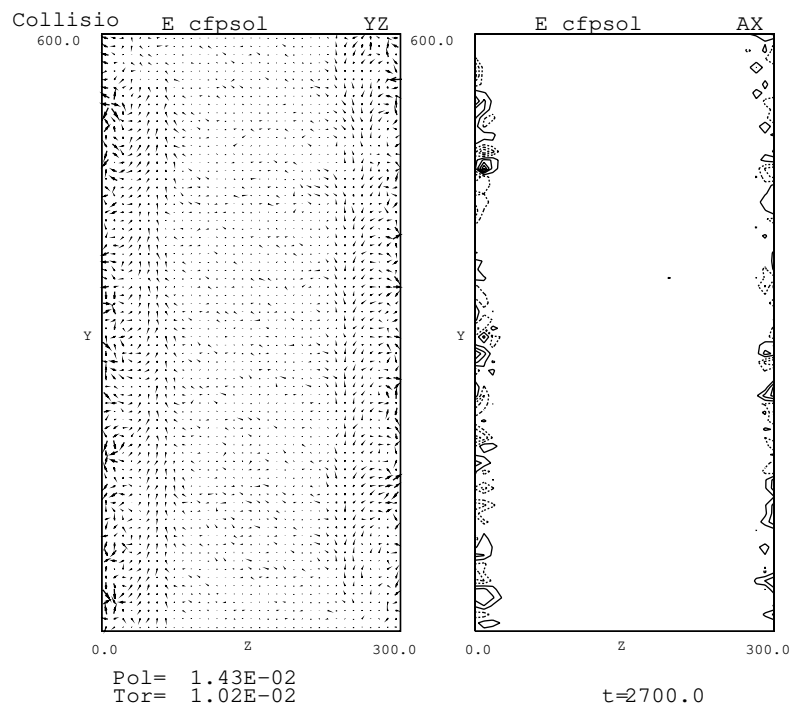
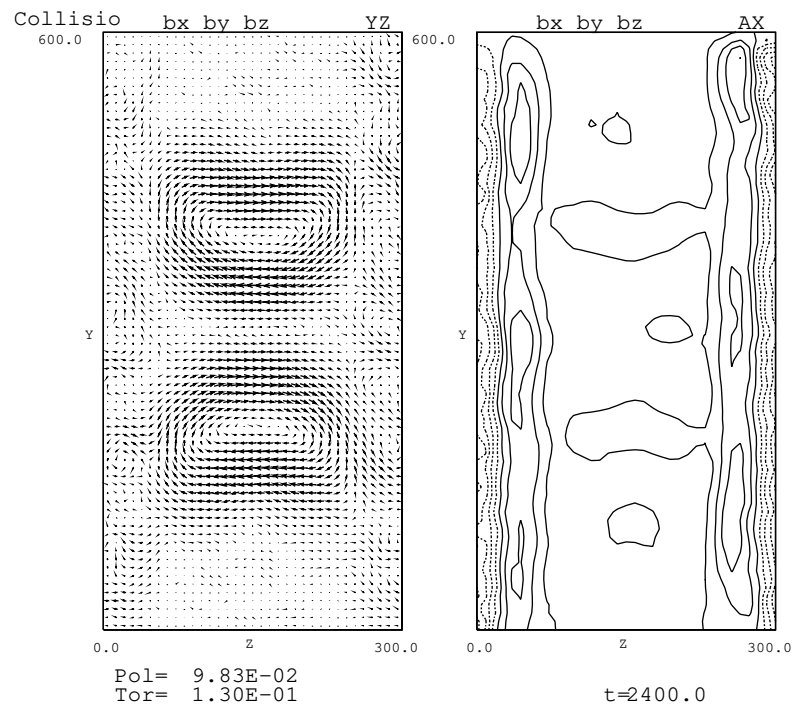
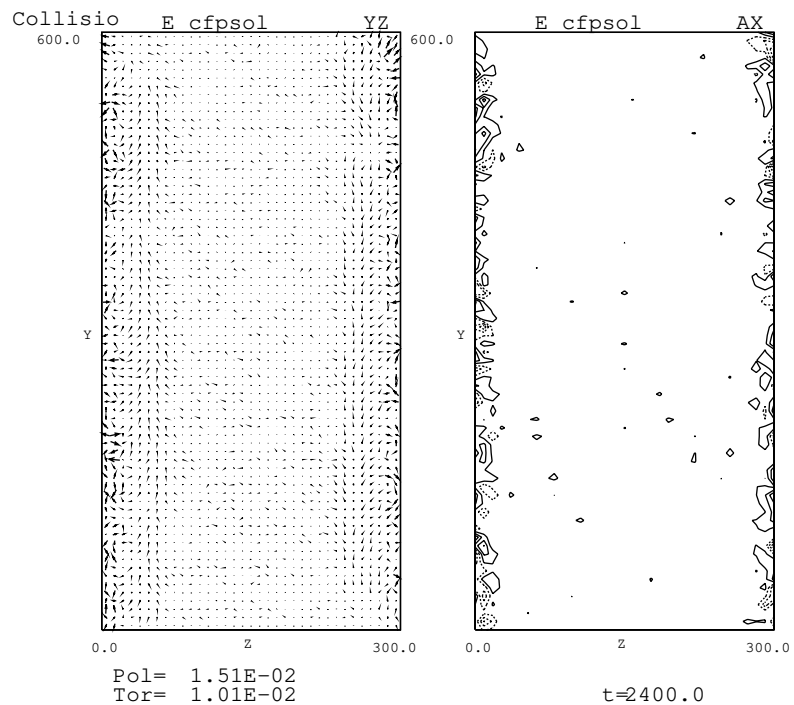
Date: Nov.17, 2024

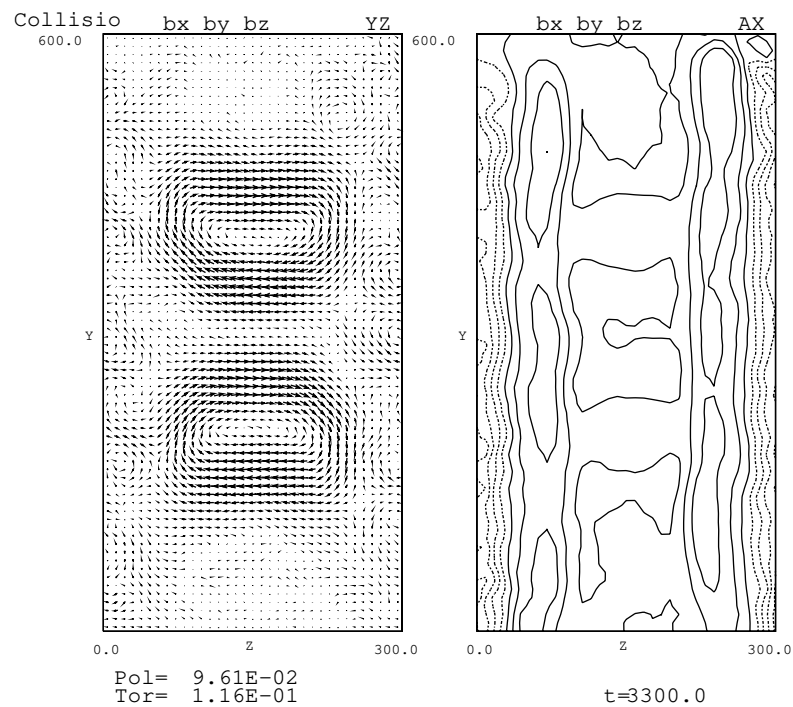
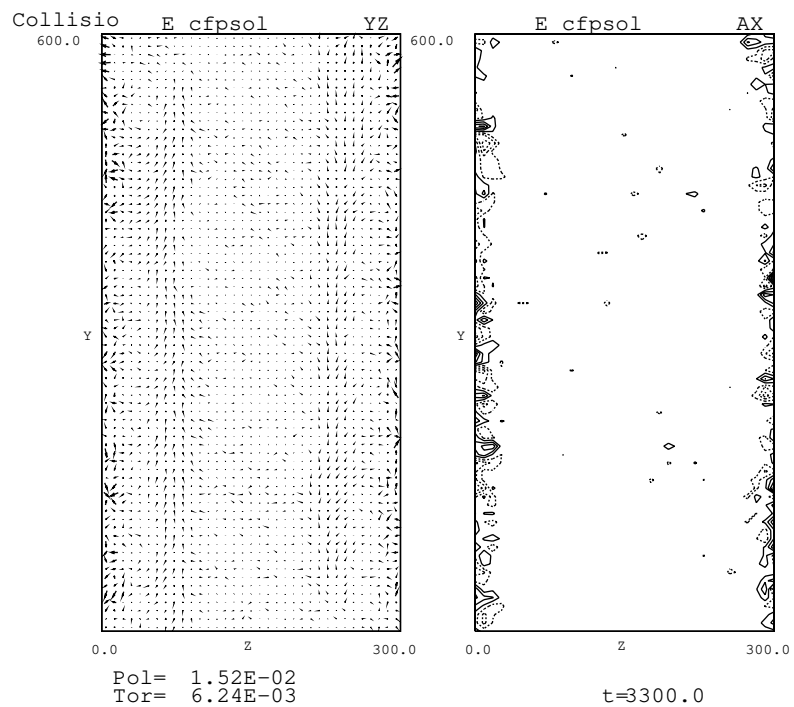
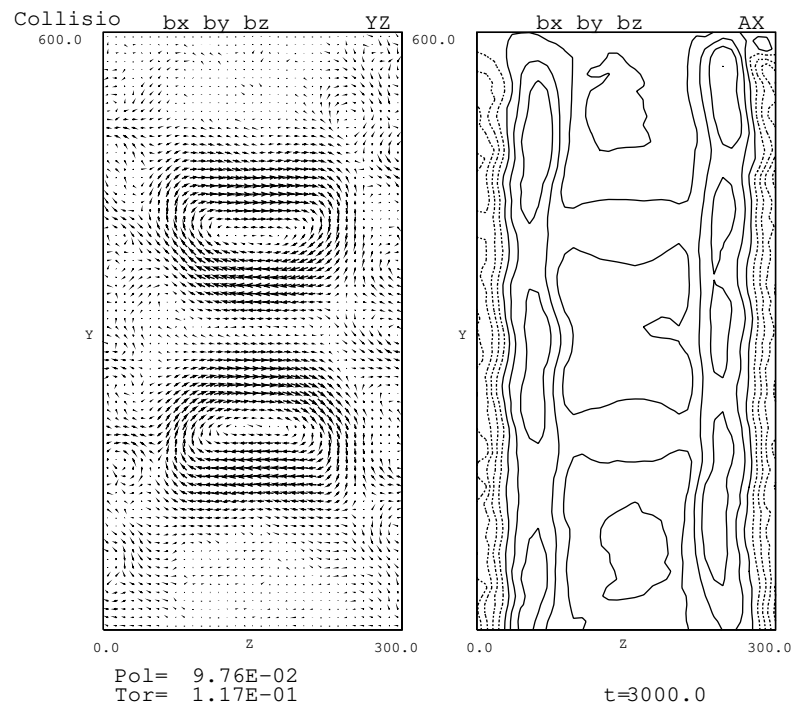
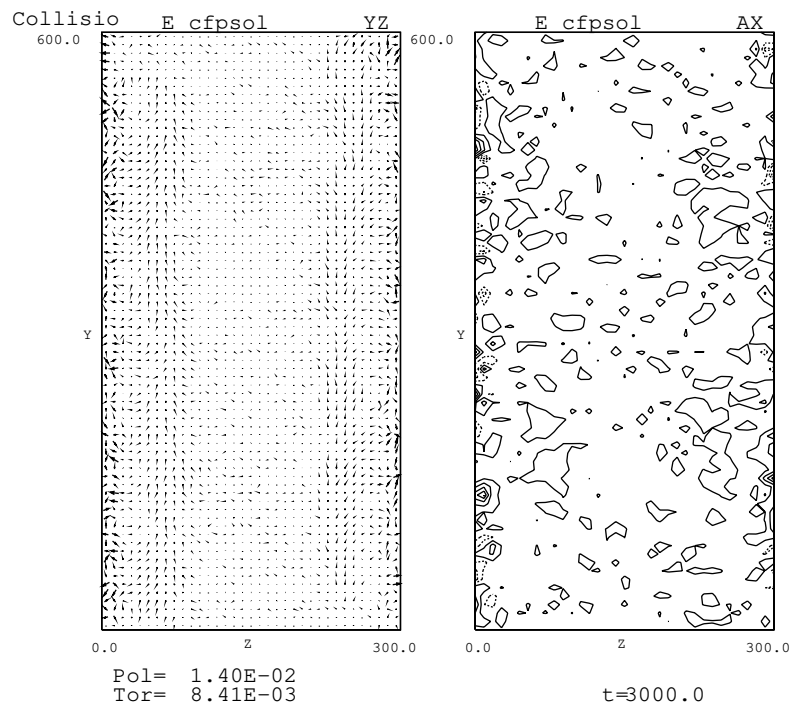


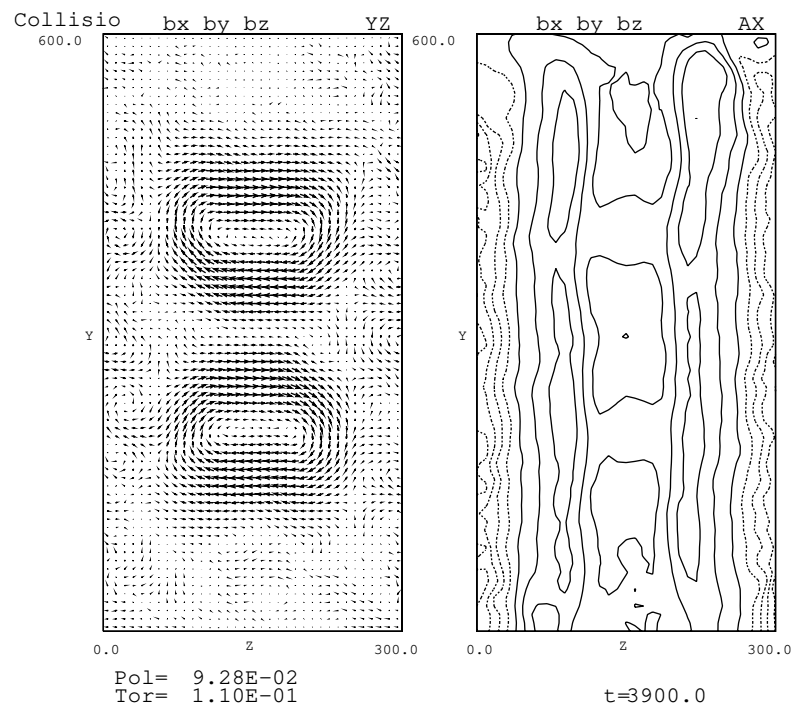
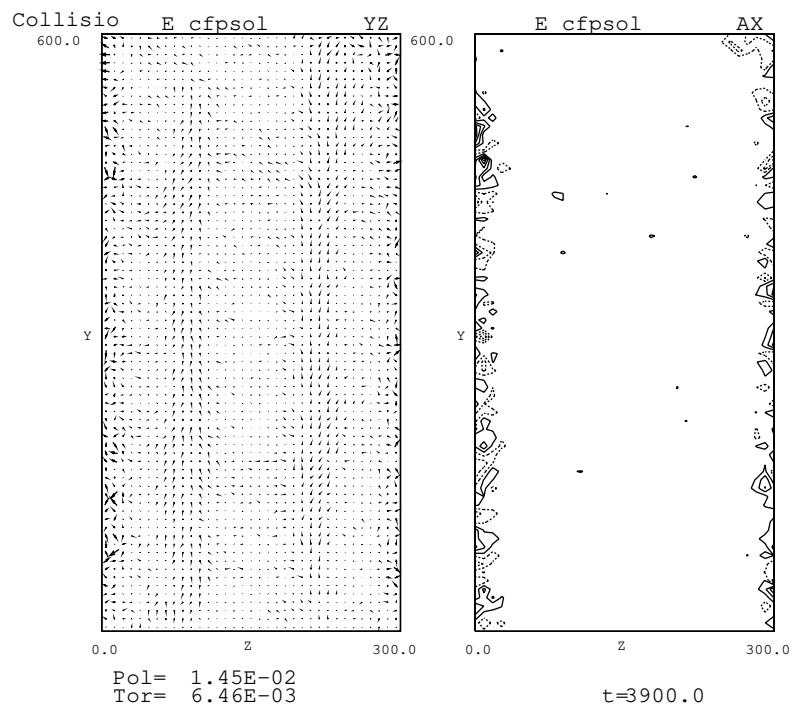
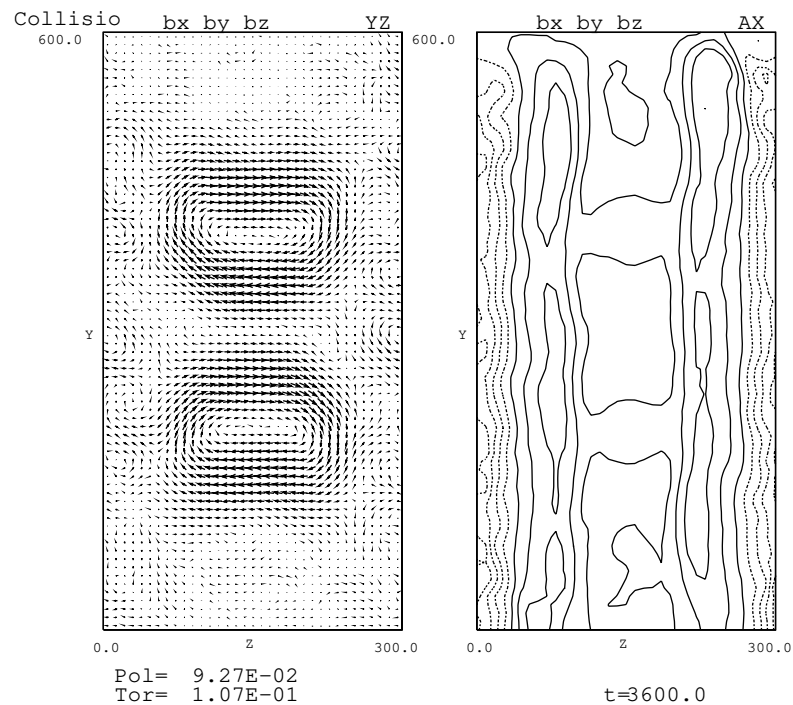
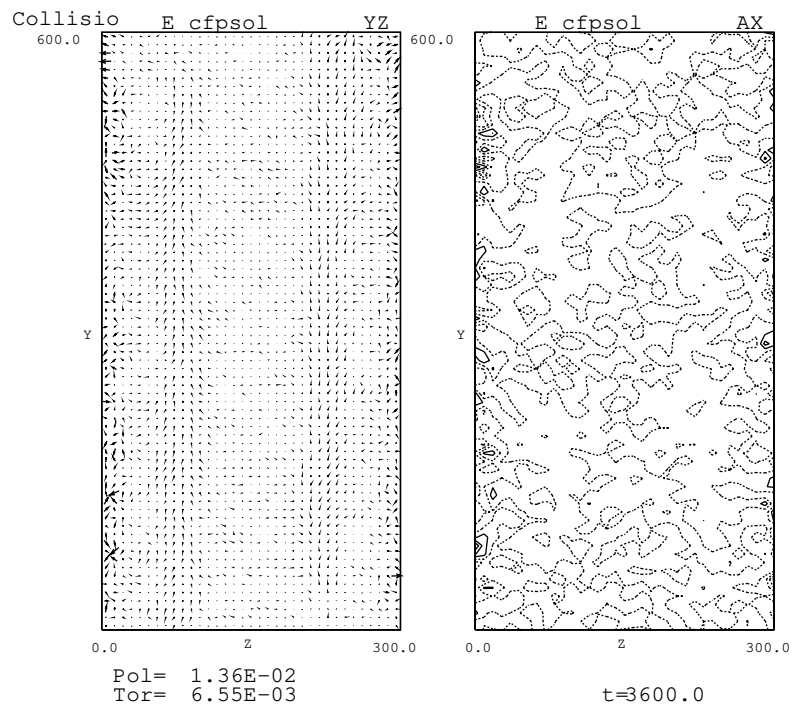




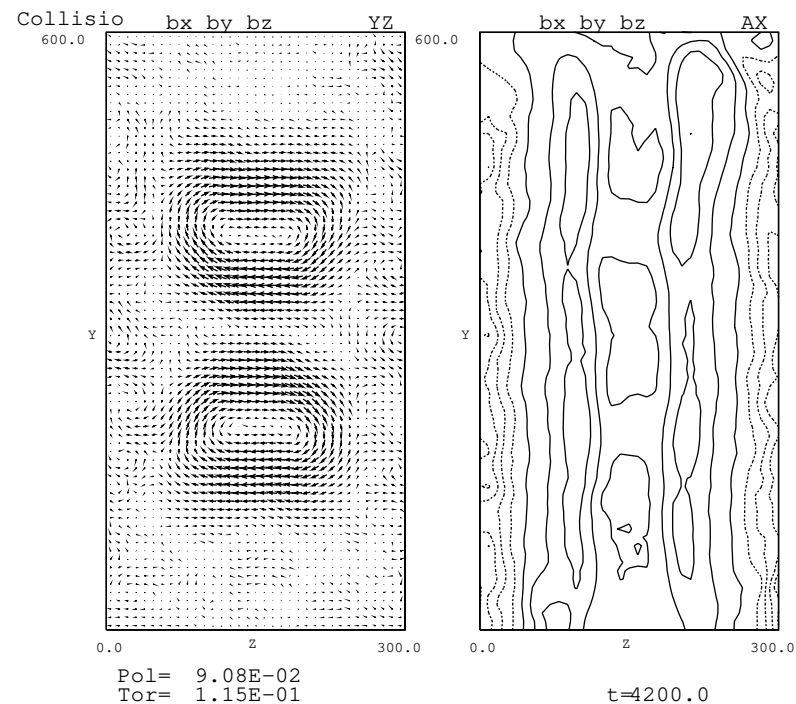
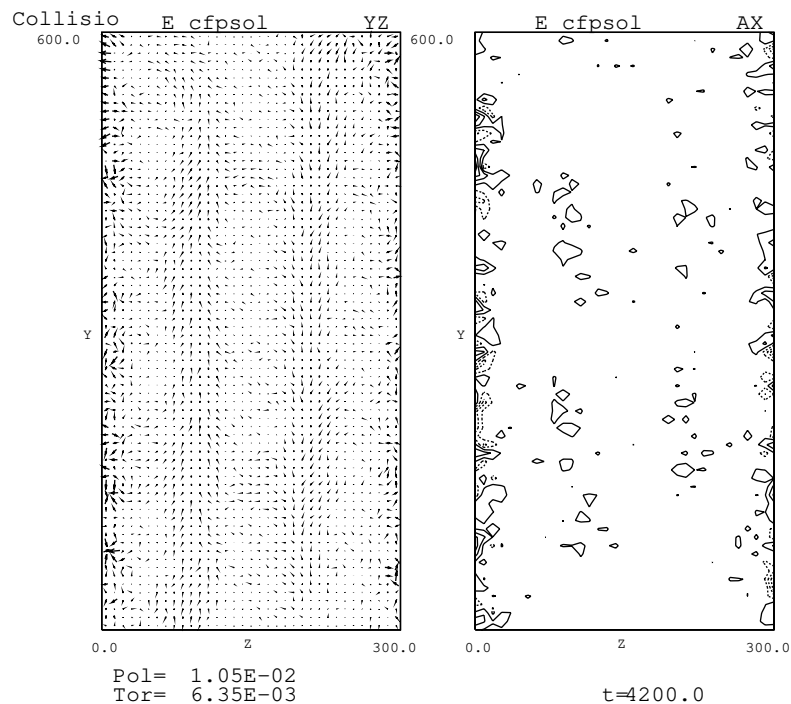




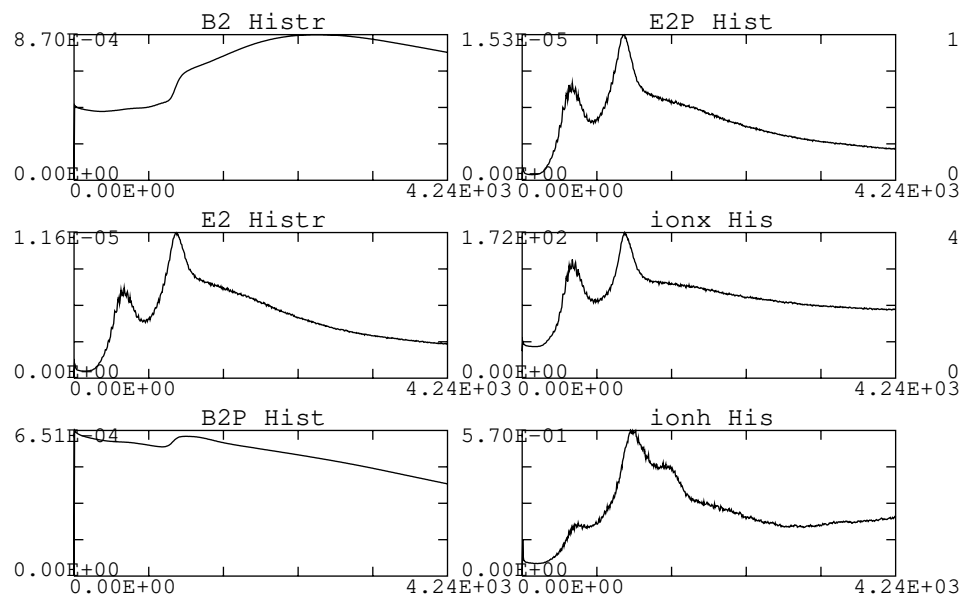








Collisio 2024/11/17



Collisio 2024/11/17

