

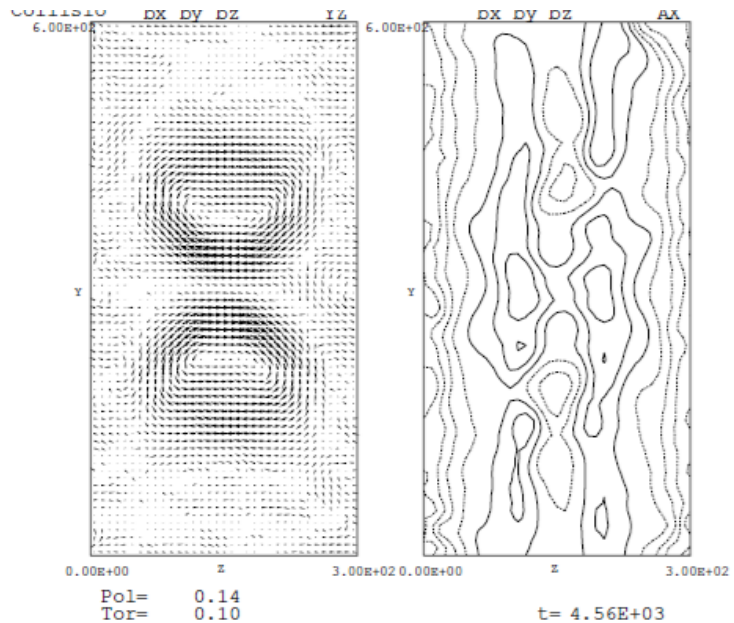
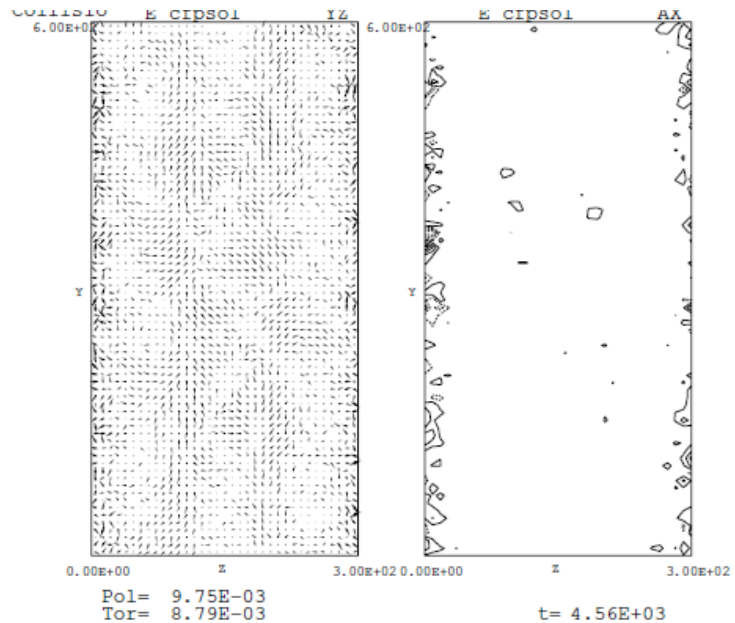
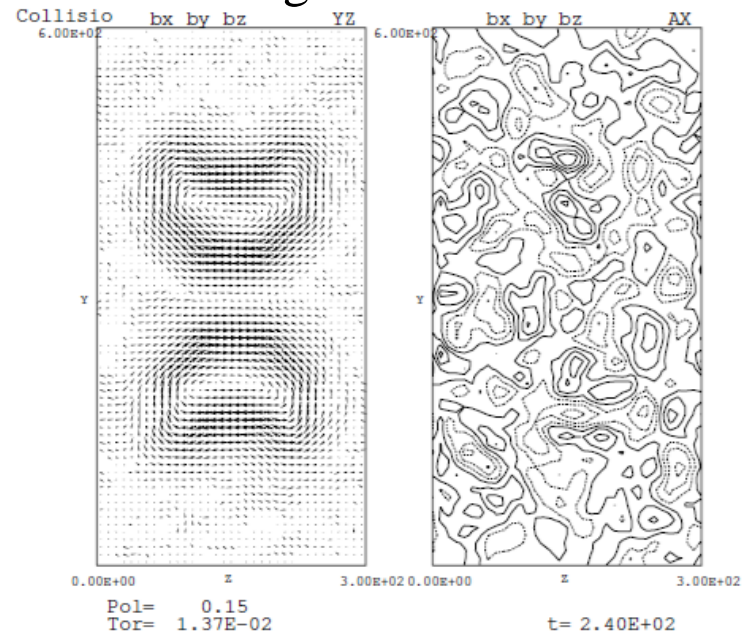
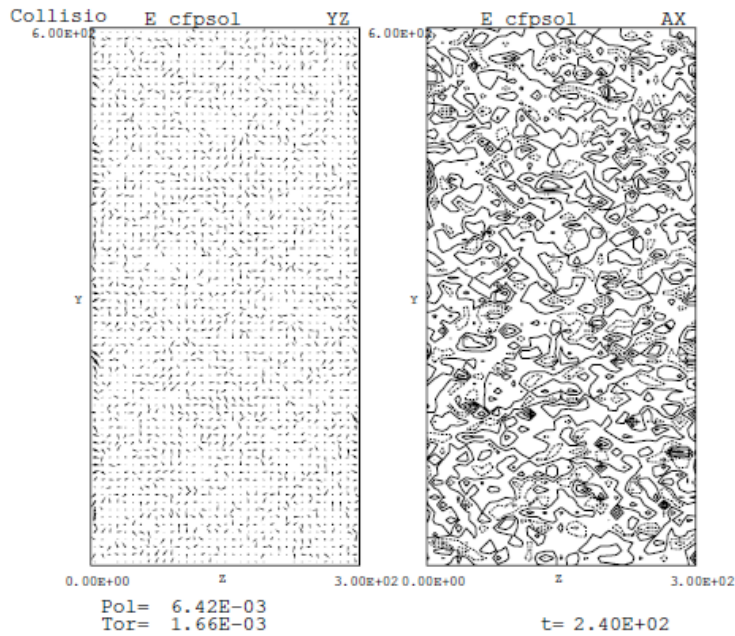
# Macro-particle Electromagnetic Simulation (Tanaka, JCP 1995)

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)=0.45d-2,vbeam(2)=-0.45d-2

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

Ez0=2.5d-3

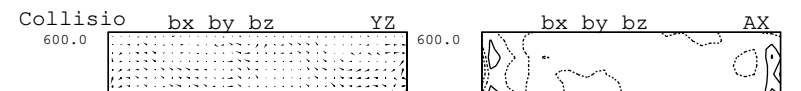
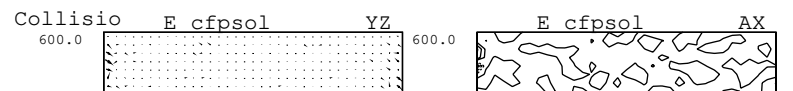
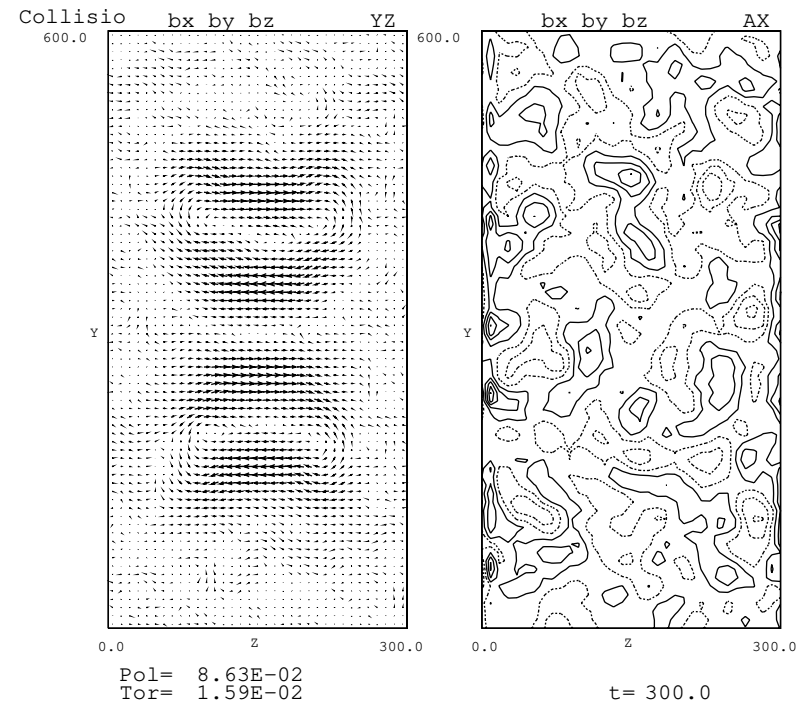
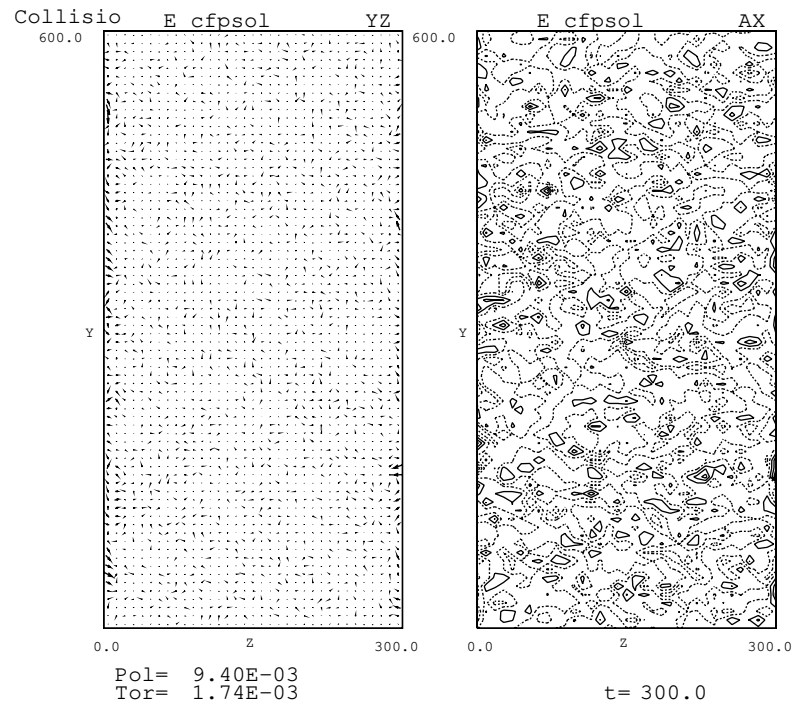
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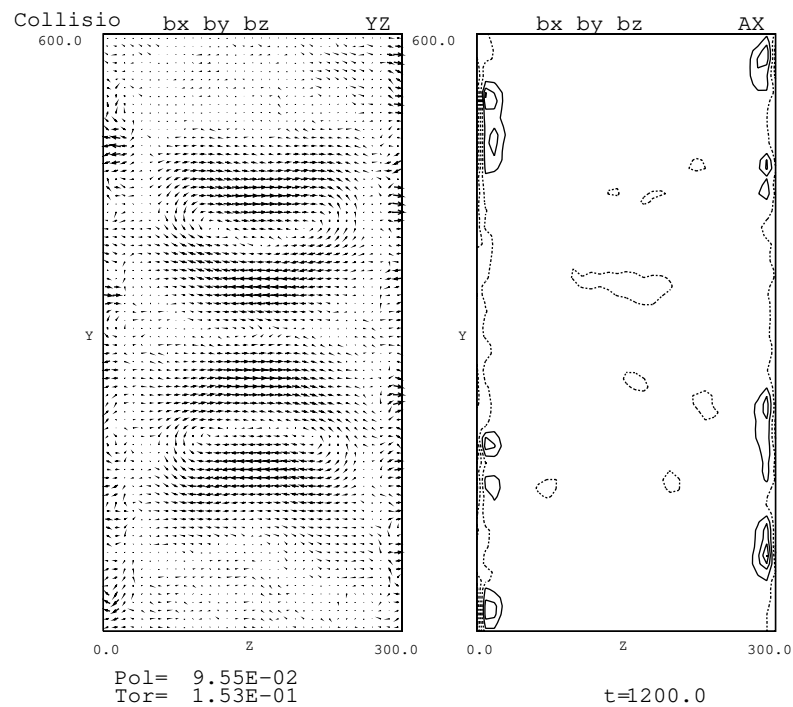
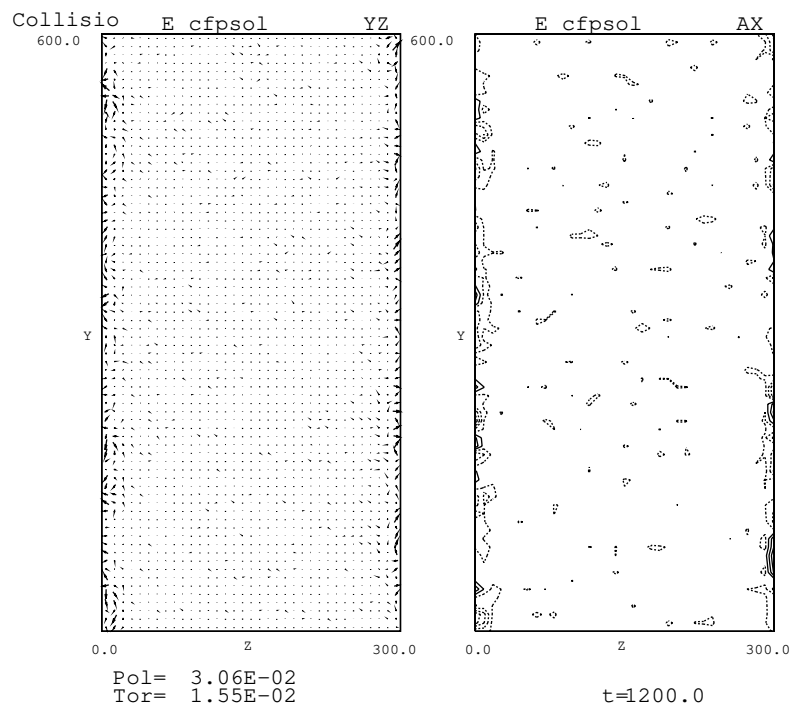
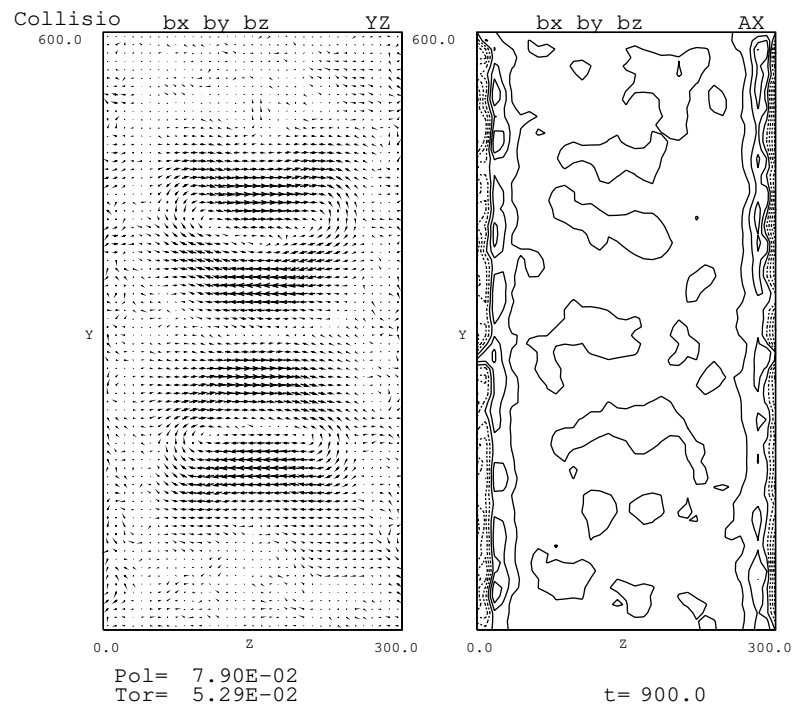
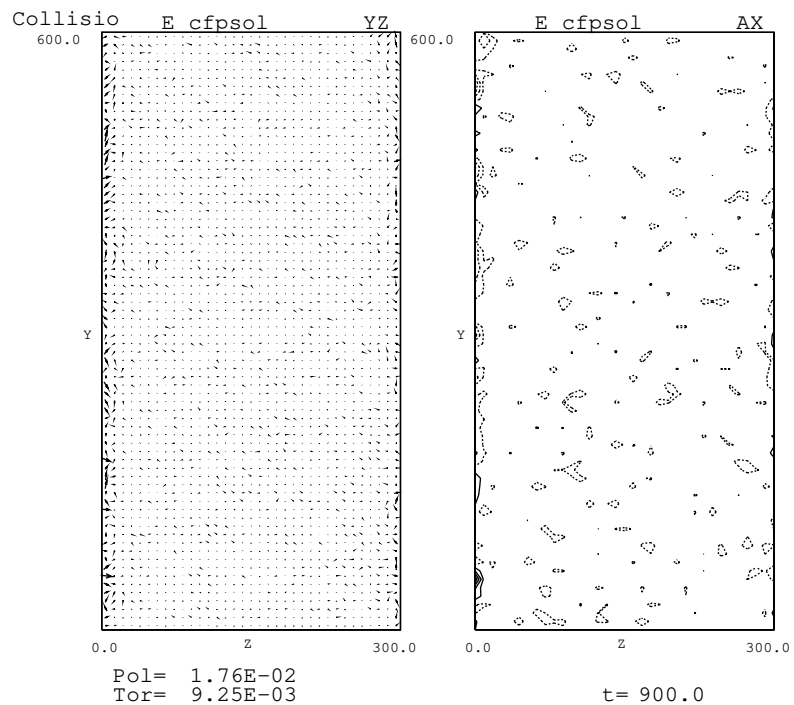
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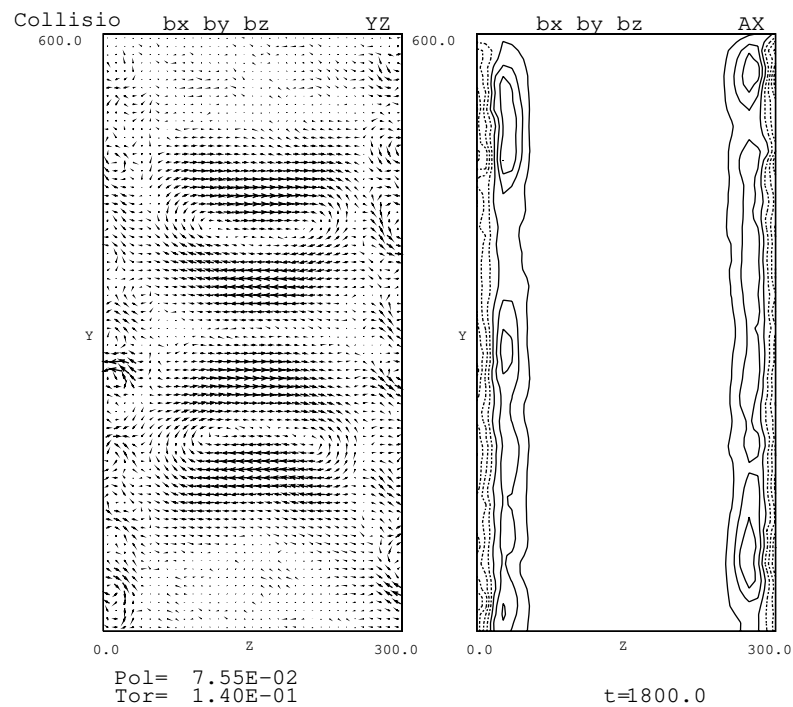
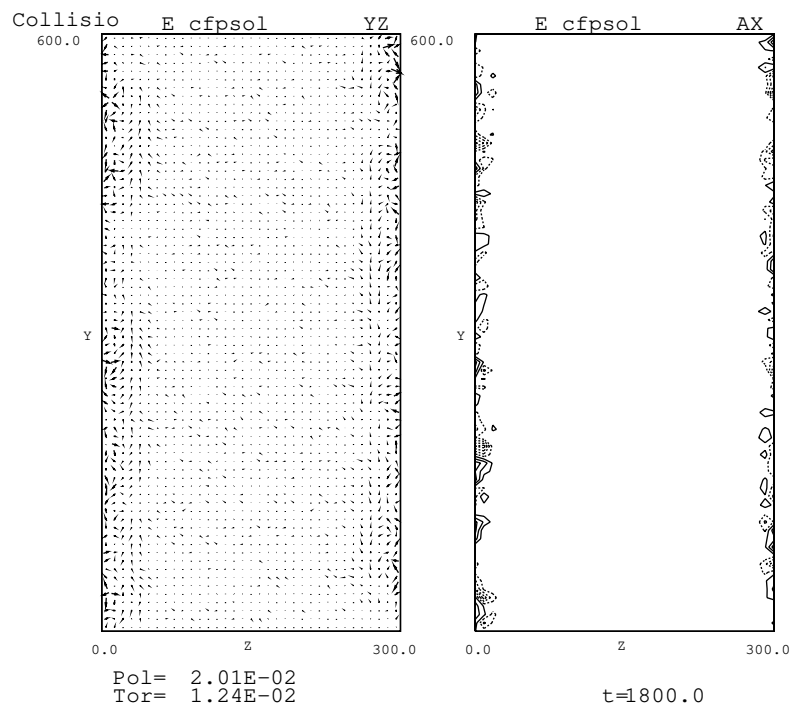
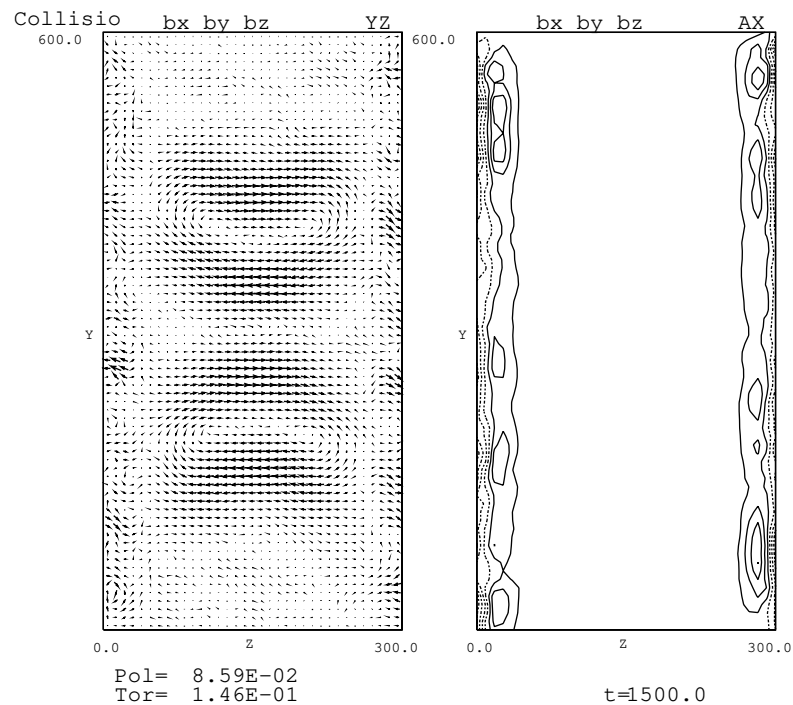
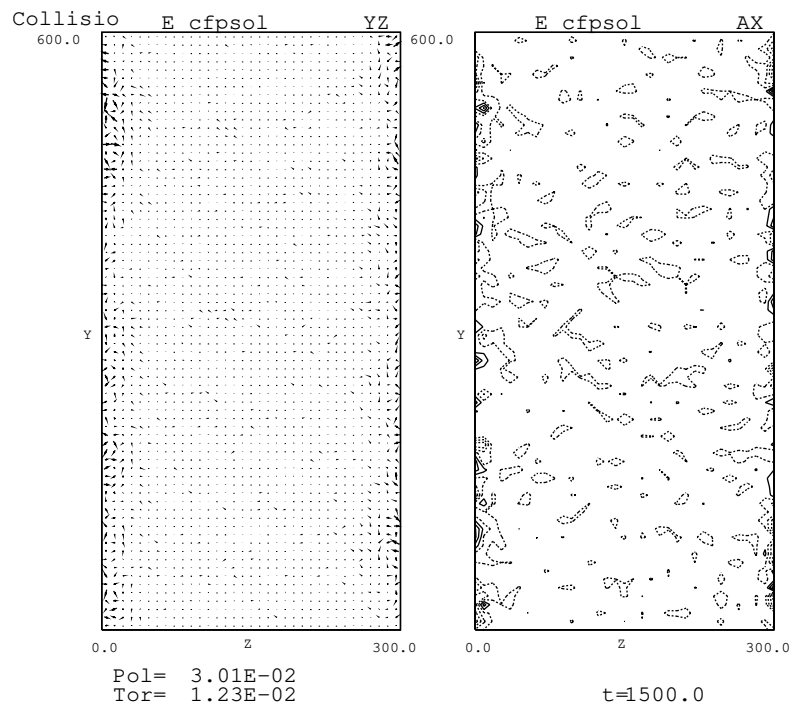
<https://github.com/Mtanaka77/>

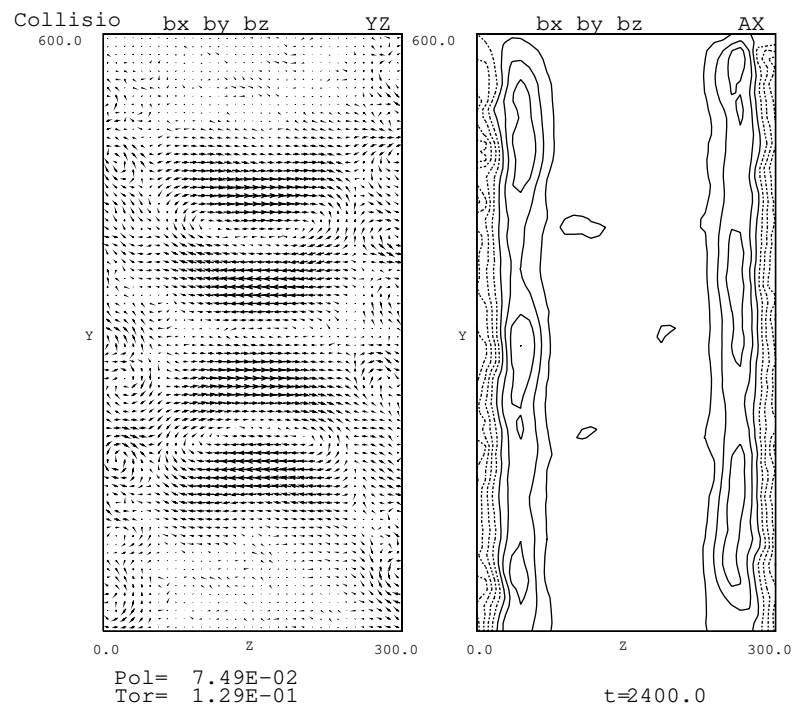
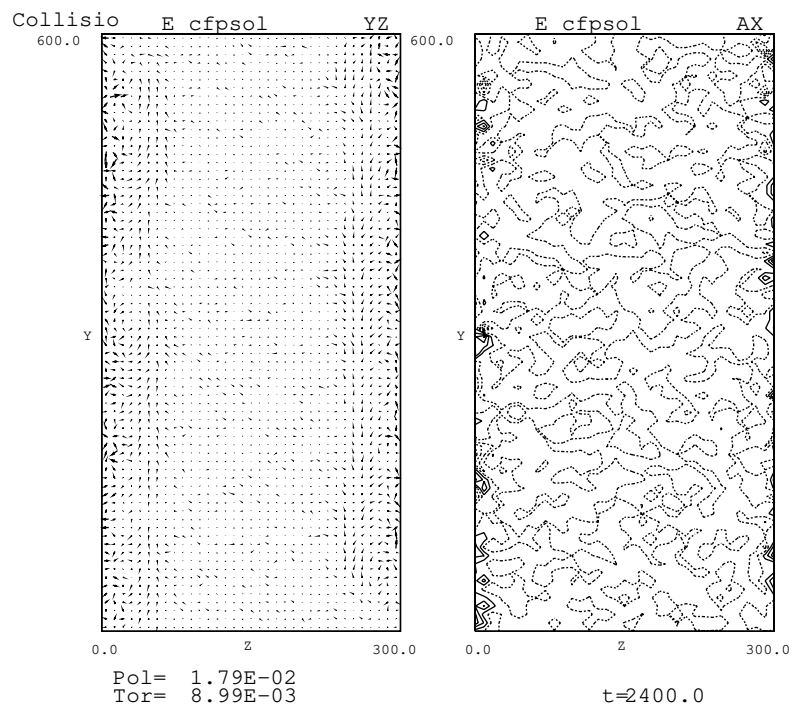
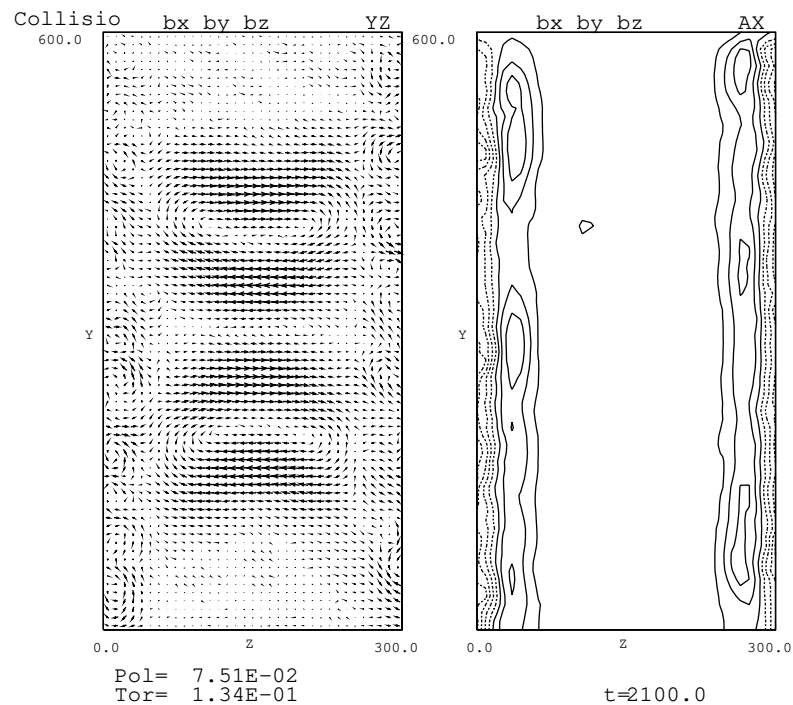
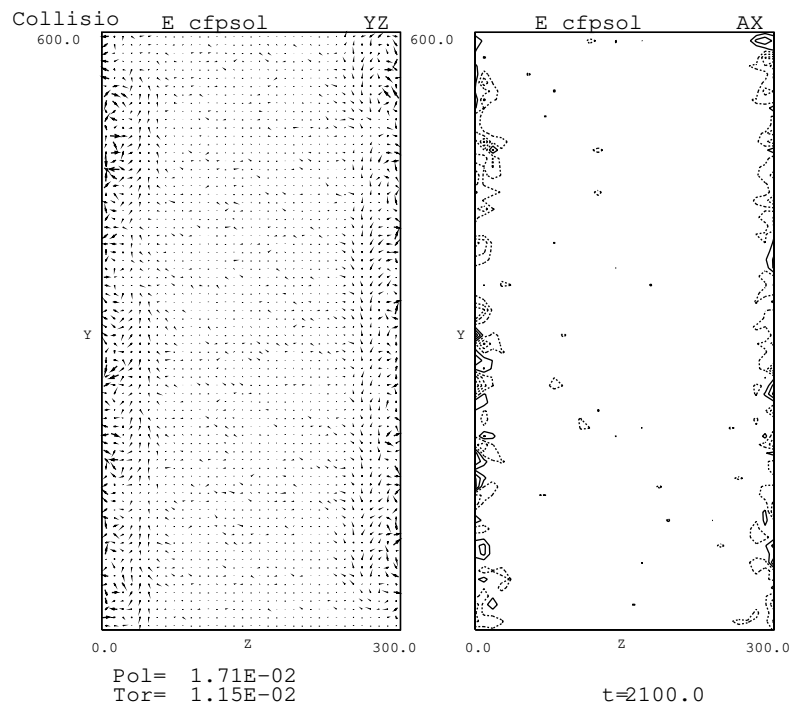
Macro-particle Simulation for Magnetic Reconnection

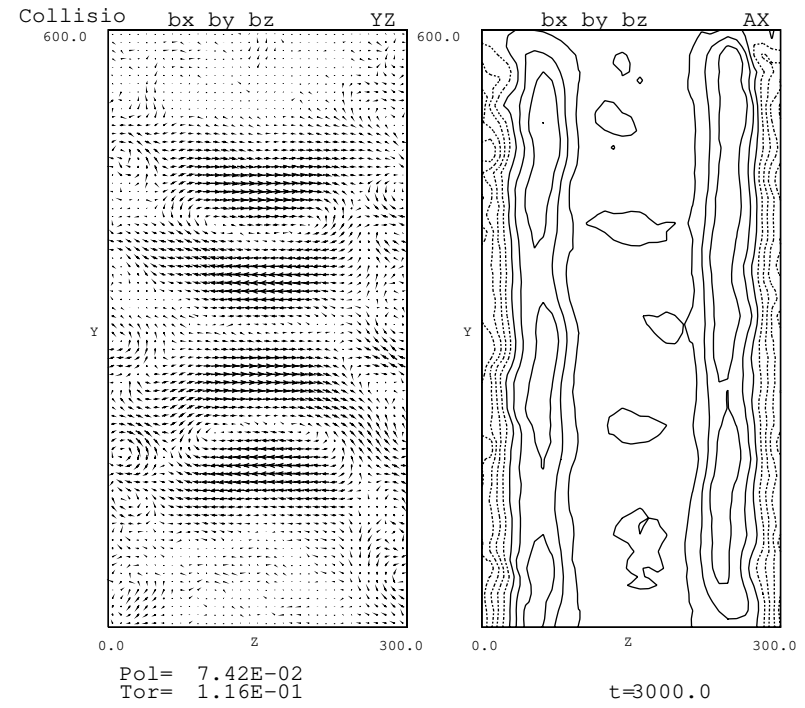
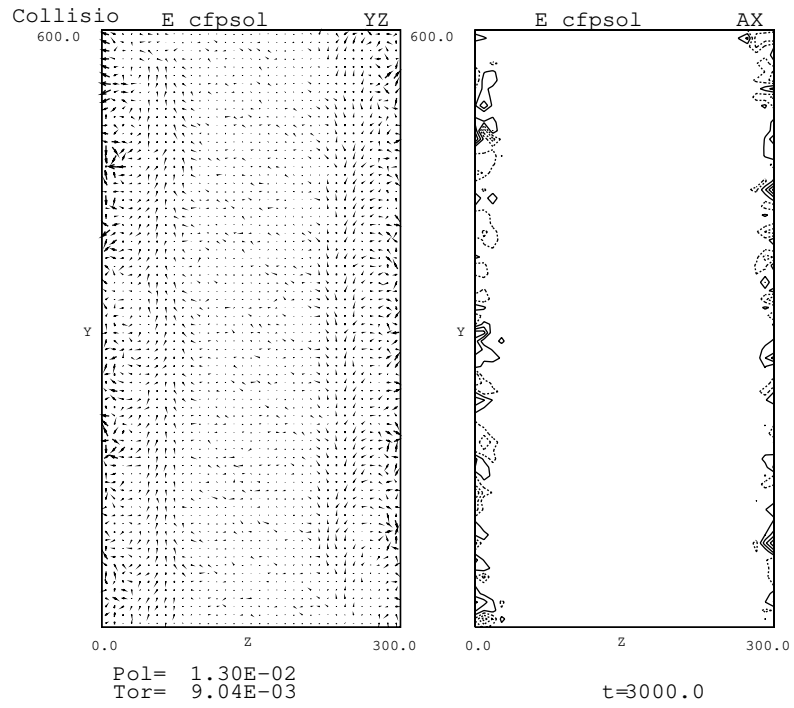
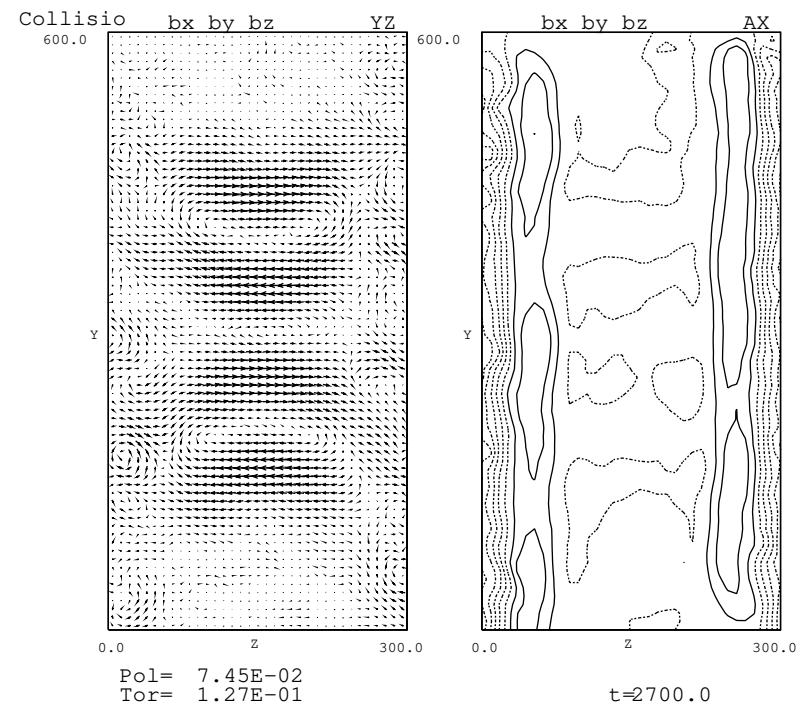
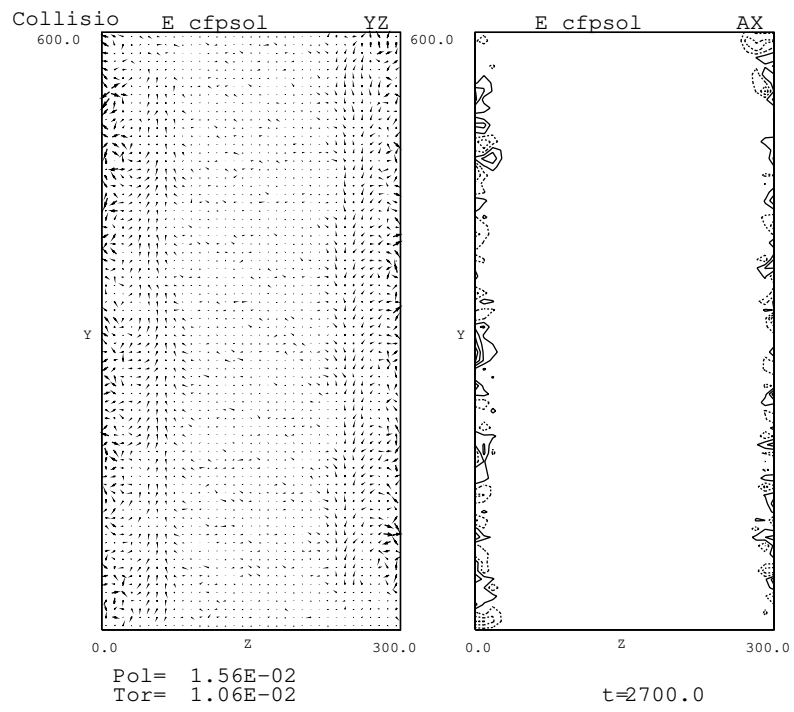
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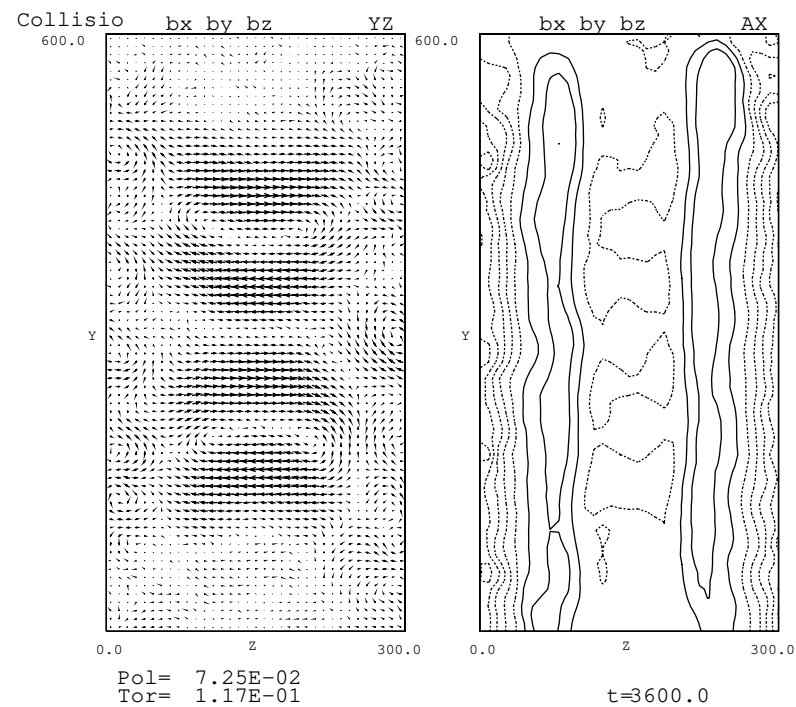
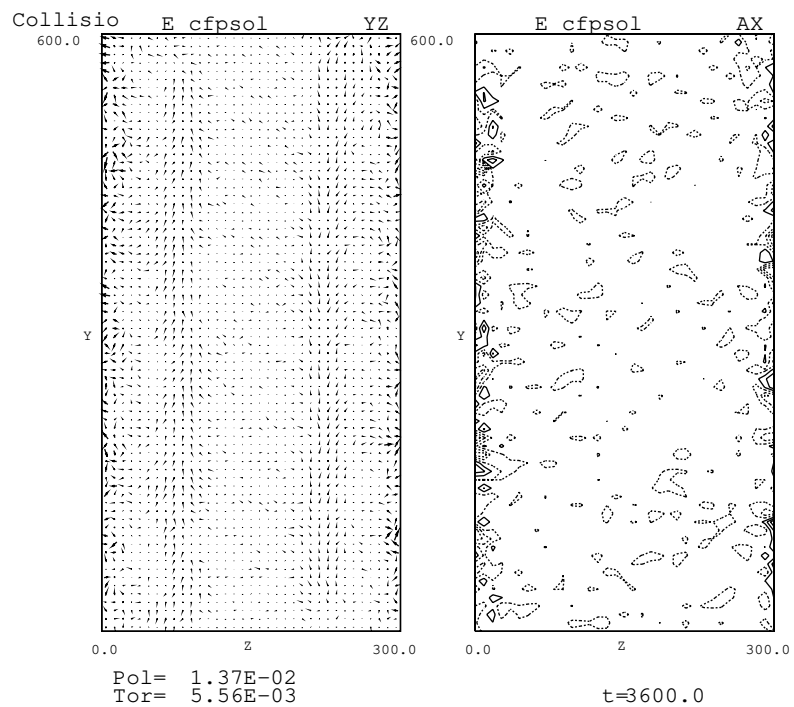
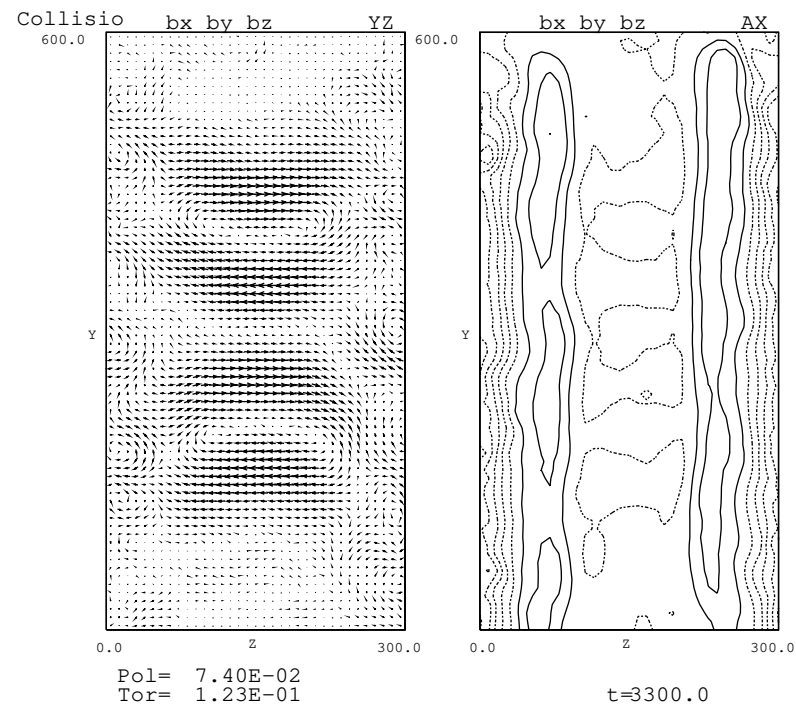
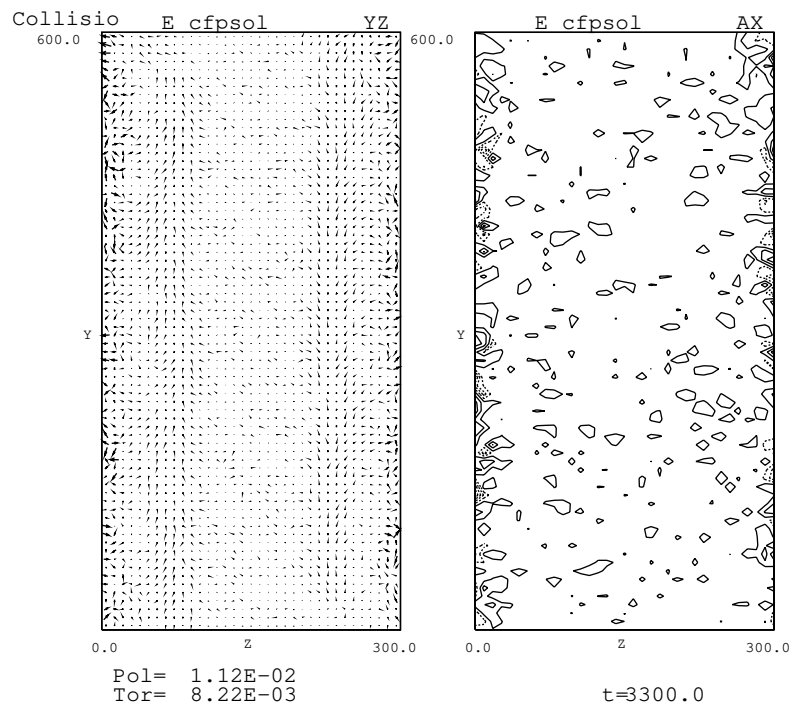


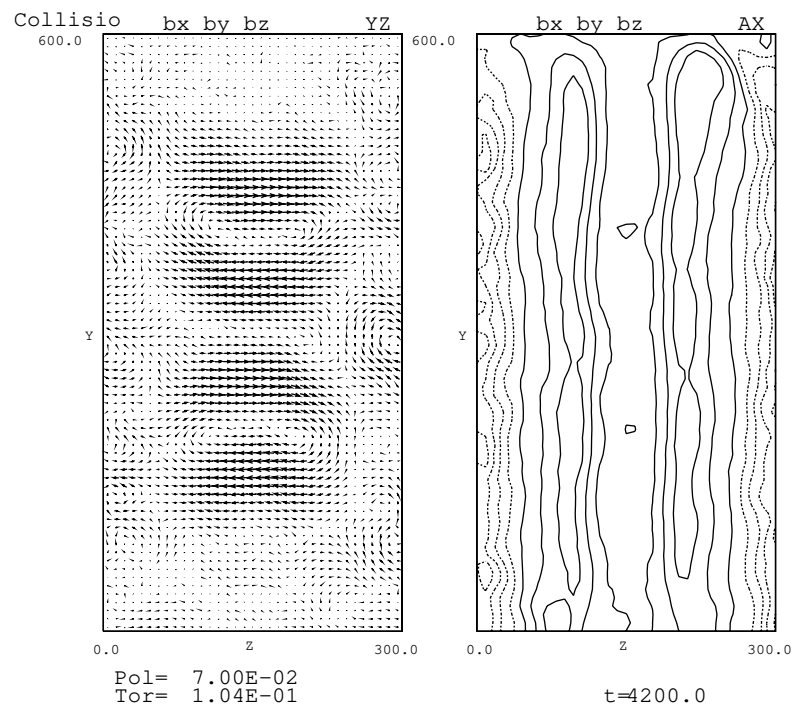
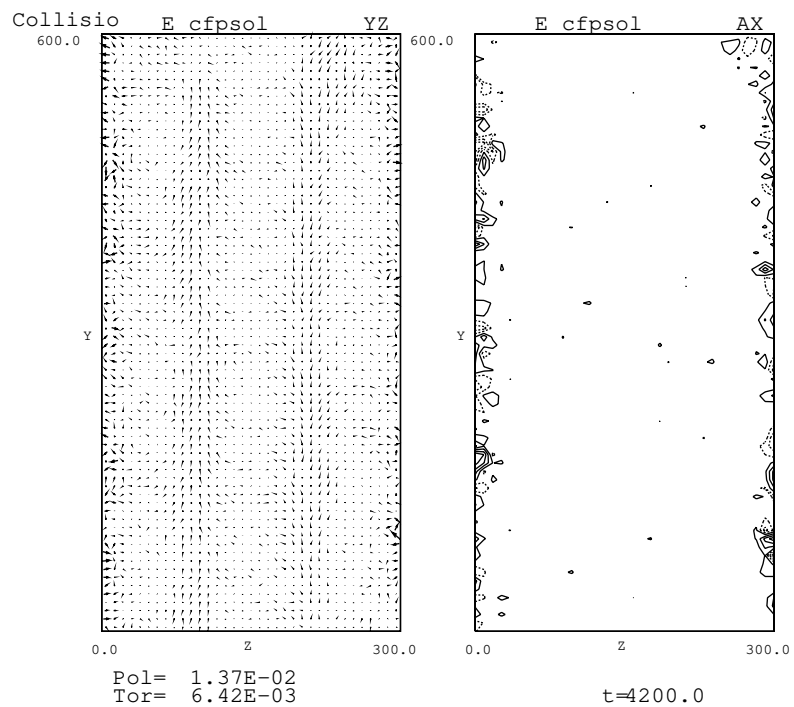
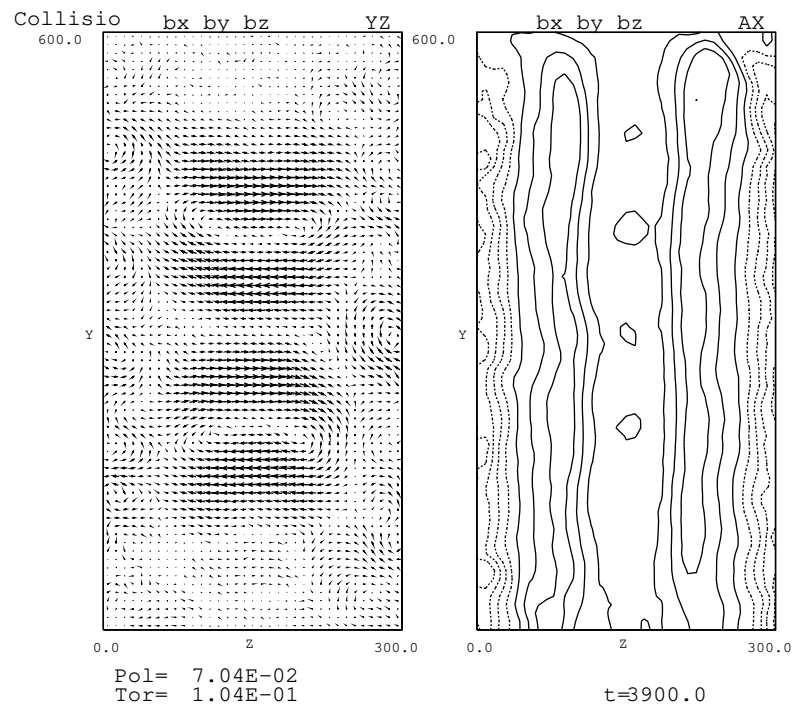
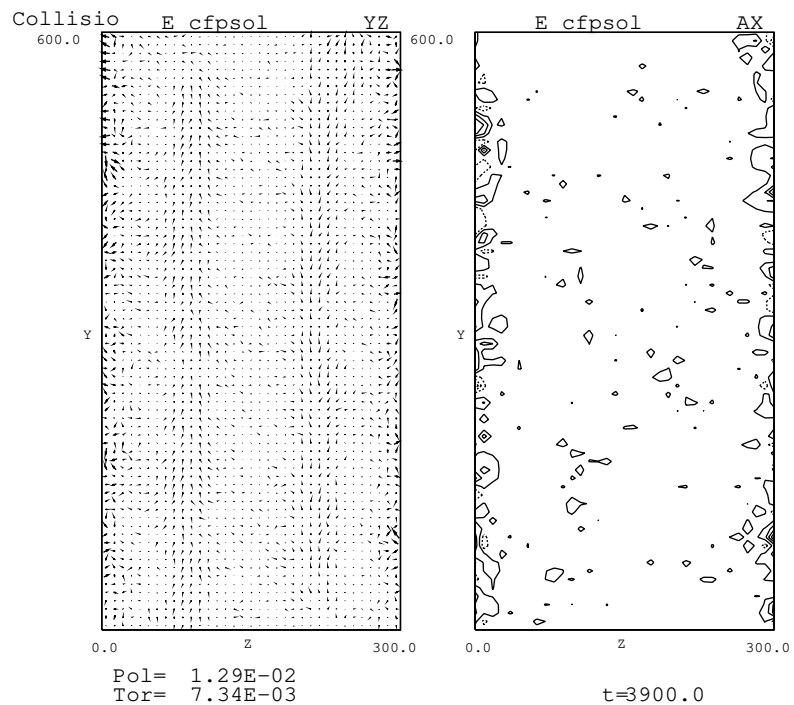






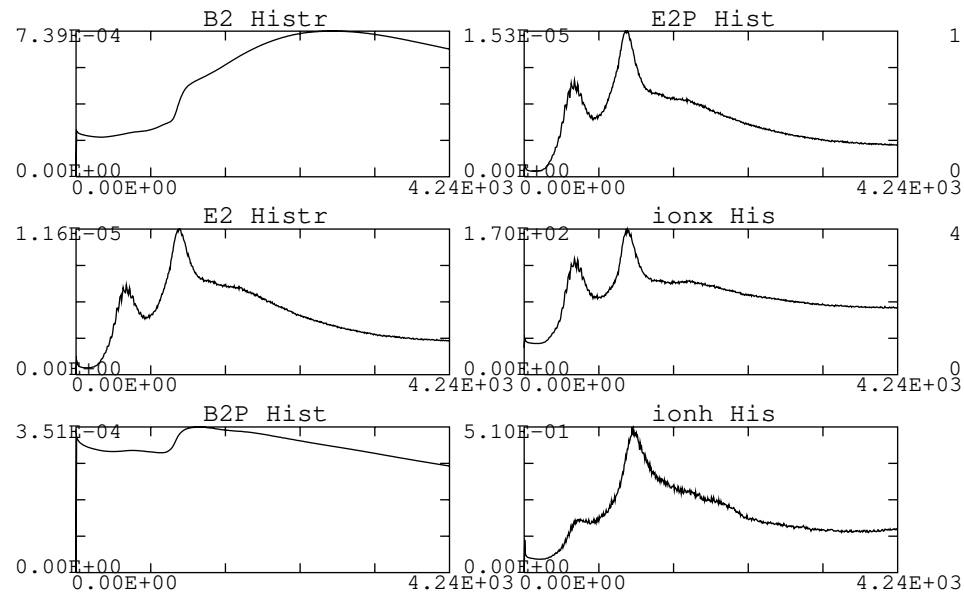








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