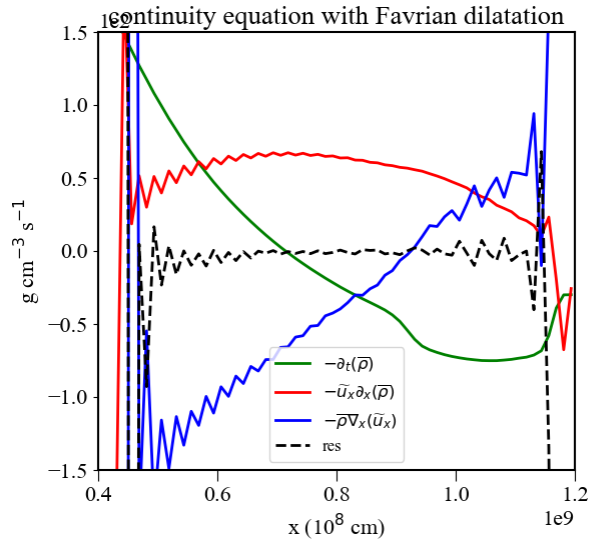


64x64x64

```

In [2]: run_ransX.py
#-----#
('Datafile with space-time averages: ', 'DATA/TSERIES/tseries_ccptwo_64c_liger_fixedmuOpt3_1500secs.npy')
('Central time (in s): ', 1018.2)
('Averaging windows (in s): ', 1500.0)
('Time range (in s from-to): ', 0.0, 1999.0)
#-----#
Resolution: 64 64 64
Radial size of computational domain (in cm): 4.06e+08 1.19e+09
Radial size of convection zone (in cm): 4.06e+08 1.18e+09
Extent of convection zone (in Hp): 3.601930
Averaging time window (in s): 1500.000000
RMS velocities in convection zone (in cm/s): 1.83e+07
Convective turnover timescale (in s): 8.48e+01
P_turb o P_gas 1.68e-03
Mach number Max 4.04e-02
Mach number Mean 3.00e-02
Dissipation length scale (in cm): 1.08e+08
Total nuclear luminosity (in erg/s): 4.52e+45
Rate of TKE dissipation (in erg/s): 1.79e+45
Dissipation timescale for TKE (in s): 29.541770
Reynolds number: 245

```

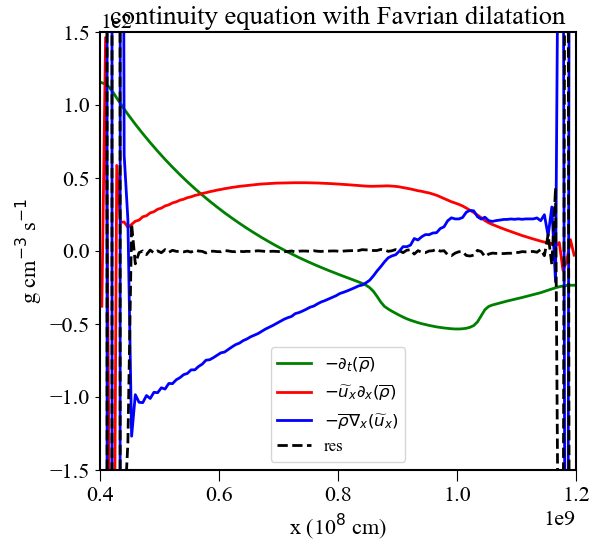


128x128x128

```

In [1]: run_ransX.py
#-----#
('Datafile with space-time averages: ', 'DATA/TSERIES/tseries_ccptwo_128c_liger_fixedmuOpt3_1500secs.npy')
('Central time (in s): ', 1017.7)
('Averaging windows (in s): ', 1500.0)
('Time range (in s from-to): ', 0.0, 1999.0)
#-----#
Resolution: 128 128 128
Radial size of computational domain (in cm): 4.03e+08 1.20e+09
Radial size of convection zone (in cm): 4.16e+08 9.59e+08
Extent of convection zone (in Hp): 2.736897
Averaging time window (in s): 1500.000000
RMS velocities in convection zone (in cm/s): 1.73e+07
Convective turnover timescale (in s): 6.28e+01
P_turb o P_gas 1.38e-03
Mach number Max 3.43e-02
Mach number Mean 2.82e-02
Dissipation length scale (in cm): 1.37e+08
Total nuclear luminosity (in erg/s): 4.50e+45
Rate of TKE dissipation (in erg/s): 1.07e+45
Dissipation timescale for TKE (in s): 39.547968
Reynolds number: 385

```



256x256x256

```

In [3]: run_ransX.py
#-----#
('Datafile with space-time averages: ', 'DATA/TSERIES/tseries_ccptwo_256c_cosma_1500secs.npy')
('Central time (in s): ', 1017.1)
('Averaging windows (in s): ', 1500.0)
('Time range (in s from-to): ', 0.0, 1999.0)
#-----#
Resolution: 256 256 256
Radial size of computational domain (in cm): 4.02e+08 1.20e+09
Radial size of convection zone (in cm): 4.11e+08 9.70e+08
Extent of convection zone (in Hp): 2.850421
Averaging time window (in s): 1500.000000
RMS velocities in convection zone (in cm/s): 1.73e+07
Convective turnover timescale (in s): 6.45e+01
P_turb o P_gas 1.32e-03
Mach number Max 3.43e-02
Mach number Mean 2.74e-02
Dissipation length scale (in cm): 1.49e+08
Total nuclear luminosity (in erg/s): 4.51e+45
Rate of TKE dissipation (in erg/s): 1.02e+45
Dissipation timescale for TKE (in s): 42.955814
Reynolds number: 1008

```

