MHDModel

c: Configuration
d: GridData

init()
write_out_data()
run()

GridData

Q: Array(8,Mx,My,Mz)

KE: Array(Nt)
FE: Array(Nt)
max_divB: Array(Nt)

hdf5_filename: str

Configuration

Mx, My, Mz: int
x_max, x_max: float
y_min, y_max: float
z_min, z_max: float
dt, t_max: float
gamma, mu0: float

max_history_steps: int

time_step_method: Callable()

initial_Q: Array(8,Mx,My,Mz)

set_initial_conditions()