

Application

MASA

Initialization

Choose an
MMS Family

`masa_init()`

Model Solve

Change MMS
Parameter(s)

`masa_set_param()`

Loop Mesh Points
{
 Add MMS Forcing
 Function (f)
}
Apply BCs
Solve Overall System

(x,y,z,t)
 $f(x,y,z,t)$

`masa_eval_source_u()`

Error Norm(s)

$\hat{u}(x,y,z,t)$

`masa_eval_exact_u()`

Convergence Rates

Mesh Discretization Loop
Temporal Loop