```
INFO: Initializing Program: rhsTest

   Dimensionality = 4
   -----------------

     nDimsX = 3  nDimsE = 1

      nX(1) = 0048   nX(2) = 0048   nX(3) = 0048    nE = 0024
      swX(1) =    1  swX(2) =    1  swX(3) =    1  swE =    0

   Degrees of Freedom / Element / Field

     nNodes = 01

       i = 1, nNodesX(1) = 01
       i = 2, nNodesX(2) = 01
       i = 3, nNodesX(3) = 01
               nNodesE    = 01

     nDOFX = 0001   nDOFE = 0001   nDOF = 0001

   Computational Domain
   --------------------

     Spatial Domain:
     ---------------

     xL(1) = 0.00E+00 , xR(1) = 1.00E+00 , ZoomX(1) = 1.0000E+00

       MIN/MAX dx(1) = 2.08E-02  / 2.08E-02

     xL(2) = 0.00E+00 , xR(2) = 1.00E+00 , ZoomX(2) = 1.0000E+00

       MIN/MAX dx(2) = 2.08E-02  / 2.08E-02

     xL(3) = 0.00E+00 , xR(3) = 1.00E+00 , ZoomX(3) = 1.0000E+00

       MIN/MAX dx(3) = 2.08E-02  / 2.08E-02


     Spectral Domain:
     ----------------

     eL = 0.00E+00 , eR = 1.00E+01 , ZoomE = 1.0000E+00

       MIN/MAX de = 4.17E-01  / 4.17E-01

   Geometry Fields
```

```
                 Newtonian Potential
      Spatial Metric Component (11)
      Spatial Metric Component (22)
      Spatial Metric Component (33)
   Contravariant Spatial Metric Com
                    Lapse Function
                  Shift Vector (1)
                  Shift Vector (2)
                  Shift Vector (3)
                  Conformal Factor
```

Coordinate System: CARTESIAN

Fluid Fields (Conserved)

```
            Conserved Baryon Density
     Conserved Momentum Density (1)
     Conserved Momentum Density (2)
     Conserved Momentum Density (3)
            Conserved Energy Density
          Conserved Electron Density
```

Fluid Fields (Primitive)

```
            Comoving Baryon Density
                 Three-Velocity (1)
                 Three-Velocity (2)
                 Three-Velocity (3)
             Internal Energy Density
            Comoving Electron Density
```

Fluid Fields (Auxiliary)

```
                            Pressure
                         Temperature
                   Electron Fraction
                  Entropy Per Baryon
            Specific Internal Energy
         Electron Chemical Potential
           Proton Chemical Potential
          Neutron Chemical Potential
               Proton Mass Fraction
               Neutron Mass Fraction
                 Alpha Mass Fraction
                 Heavy Mass Fraction
      Ratio of Specific Heats (Gamma)
                         Sound Speed
```

Radiation Fields (Conserved)

```
       Eulerian Number Density
       Eulerian Number Flux Density (1)
       Eulerian Number Flux Density (2)
       Eulerian Number Flux Density (3)

       Radiation Fields (Primitive)

       Lagrangian Number Density
       Lagrangian Number Flux Density (1)
       Lagrangian Number Flux Density (2)
       Lagrangian Number Flux Density (3)

       Radiation Fields (Auxiliary)

       Lagrangian Flux Factor
       Lagrangian Eddington Factor

       Equation Of State: IDEAL
       ------------------

       Opacities: IDEAL
       ----------

       Gravity Solver: Dummy
       ---------------

       Fluid Riemann Solver: LLF
       ---------------------

       Radiation Riemann Solver: LLF
       -------------------------

         Evolve Gravity = F
            Evolve Fluid = F
       Evolve Radiation = F


     InitializeReferenceElement_Lagrange: 4.0831E-05


  INFO: rhsTest


     InitializeFields: 3.5306E-01
```

```
Timers:

     ComputeRHS: 2.3656E+00

    Volume Term: 4.6216E-01

         Add 1: 1.2265E-01

   Surface Term: 1.7284E+00

         Interp: 4.1877E-01
           Left: 1.9809E-01
          Right: 1.9759E-01
           Flux: 1.1385E-01
          Add 2: 9.5077E-02
          Add 3: 9.4721E-02

   Inverse Mass: 3.0029E-02

            Sum: 2.2205E+00

       ErrorL1: 2.6161E-01
       ErrorIn: 4.1094E-01
```