```
INFO: Initializing Program: rhsTest

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

     nDimsX = 3  nDimsE = 1

      nX(1) = 0016   nX(2) = 0016   nX(3) = 0016   nE = 0008
     swX(1) =    1  swX(2) =    1  swX(3) =    1  swE =    0

   Degrees of Freedom / Element / Field

     nNodes = 03

       i = 1, nNodesX(1) = 03
       i = 2, nNodesX(2) = 03
       i = 3, nNodesX(3) = 03
              nNodesE    = 03

     nDOFX = 0027  nDOFE = 0003  nDOF = 0081

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

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

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

       MIN/MAX dx(1) = 6.25E-02  / 6.25E-02

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

       MIN/MAX dx(2) = 6.25E-02  / 6.25E-02

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

       MIN/MAX dx(3) = 6.25E-02  / 6.25E-02


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

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

       MIN/MAX de = 1.25E+00  / 1.25E+00

   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: 9.8970E-04


INFO: rhsTest


  InitializeFields: 4.3498E-01
```

```
Timers:

    ComputeRHS: 1.5833E+00

   Volume Term: 7.8594E-01

     Add 1: 7.0028E-01

  Surface Term: 7.6520E-01

    Interp: 2.9663E-01
      Left: 3.9860E-02
     Right: 3.9751E-02
      Flux: 9.4810E-03
     Add 2: 1.8063E-01
     Add 3: 1.8087E-01

  Inverse Mass: 3.0140E-02

           Sum: 1.5813E+00

  ErrorL1: 1.7154E-02
  ErrorIn: 3.7804E-02
```