```
> restart; with (grtensor);
libname := "/Users/peter/maple/gitlab/GRTensorIII/lib",
    "/Library/Frameworks/Maple.framework/Versions/2018/lib"
               grOptionMetricPath := "/Users/peter/maple/gitlab/grtensor/metrics"
s=0x11199ea80, LENGTH=7, invalid FOR length
        "GRTensor has detected correct length for inert FOR. Disregard the above error"
                               GRTensor III v2.2 Sept 26, 2018"
                  "Copyright 2017, Peter Musgrave, Denis Pollney, Kayll Lake"
                     "Latest version is at http://github.com/grtensor/grtensor"
                                      "For help ?grtensor"
                             "Support/contact grtensor3@gmail.com"
[Asym, KillingCoords, PetrovReport, Sym, autoAlias, cmcompare, difftool, grDalias,
                                                                                                     (1)
    grF strToDef, gralter, gralterd, grapply, grarray, grassign, grcalc, grcalc1, grcalcalter,
    grealed, grelear, greomponent, greonstraint, grdata, grdebug, grdef, grdisplay, grdump,
    greqn2set, grinit, grload, grload maplet, grmap, grmetric, grnewmetric, grnormalize,
    groptions, grsaveg, grt2DG, grtestinput, grtransform, grundef, hypersurf, join, kdelta,
    makeg, nprotate, nptetrad, gload, spacetime]
  grOptionMetricPath := "/Users/peter/maple/gitlab/GRTensorIII/kayll/metrics/";
         grOptionMetricPath := "/Users/peter/maple/gitlab/GRTensorIII/kayll/metrics/"
                                                                                                     (2)
> qload(schw);
Calculated ds for schw (0.001000 sec.)
                                    Default\ spacetime = schw
                                    For the schw spacetime:
                                          Coordinates
                                             x(up)
                                      x^a = \begin{bmatrix} r & \theta & \phi & t \end{bmatrix}
                       The Schwarzschild metric in curvature coordinates
                                                                                                     (3)
> qload(staticf);
Calculated ds for staticf (0.000000 sec.)
                                   Default spacetime = staticf
                                    For the staticf spacetime:
                                          Coordinates
                                             x(up)
                                      x^a = \begin{bmatrix} t & r & \theta & \phi \end{bmatrix}
                                                                                                     (4)
> grdef("Dg\{a b\} := g\{a b\} - g < 1 > \{a b\}");Created definition for Dg(dn,dn)
  grcalc(1 = schw, Dg(dn, dn));
Calculated Dg(dn,dn) for staticf (0.002000 sec.)
```