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[ > restart:
[ > grtw();

                                GRTensorII Version 1.79 (R6)
                                2 February 2001
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                                Latest version available from: http://grtensor.phy.queensu.ca/
                                e:/Grtii(6)/Metrics

[ > with(codegen,cost):
[ >
First note how cost counts:
[ > C:=x+y;
                                C := x + y
[ > codegen[cost](C);
                                additions
[ > C1:=x+y+z;
                                C1 := x + y + z
[ > codegen[cost](C1);
                                2 additions
[ > interface(labelling=false):
[ > qload(threed);
                                Default spacetime = threed
                                For the threed spacetime:
                                Coordinates
                                x(up)
                                 $x^a = [x1, x2, x3]$ 
                                Line element
                                 $ds^2 = a(x1, x2, x3) dx1^2 + 2 b(x1, x2, x3) dx1 dx2 + 2 c(x1, x2, x3) dx1 dx3 + d(x1, x2, x3) dx2^2$ 
                                 $+ 2 e(x1, x2, x3) dx2 dx3 + f(x1, x2, x3) dx3^2$ 
[ > grOptionDefaultSimp:=0:
[ > grdef(`RR11:=g{^c ^d}*R{c $x1 $x1 d}`):
Created definition for RR11
[ > grdef(`RR12:=g{^c ^d}*R{c $x1 $x2 d}`):
Created definition for RR12
[ > grcalc(RR11):
                                CPU Time = .030
[ > codegen[cost](numer(grcomponent(RR11,[ ])));
                                415 additions + 2420 multiplications + 2788 functions
415 additions=416 terms
[ > grcalc(RR12):
                                CPU Time = 0.
[ > codegen[cost](numer(grcomponent(RR12,[ ])));
                                518 additions + 2952 multiplications + 3518 functions

```

518 additions=519 terms

>