Robertson-Walker Metric locally Minkowski:

$\boxed{x^{\mu}}$

$x^{0} = t.$
$x^{1} = x.$
$x^{2} = y.$
$x^{3} = z.$

$\boxed{g_{\mu\nu}}$

$g_{00} = R(t)^{(1.5)}.$
$g_{01} = 0.$
$g_{02} = 0.$
$g_{03} = 0.$
$g_{10} = 0.$
$g_{11} = -\frac{1}{\sqrt{R(t)}}.$
$g_{12} = 0.$
$g_{13} = 0.$
$g_{20} = 0.$
$g_{21} = 0.$
$g_{22} = -\frac{1}{\sqrt{R(t)}}.$
$g_{23} = 0.$
$g_{30} = 0.$
$g_{31} = 0.$
$g_{32} = 0.$
$g_{33} = -\frac{1}{\sqrt{R(t)}}.$

$\boxed{\sqrt{} = \sqrt{-\det(g_{\mu\nu})}}$

$\sqrt{} = 1.$

$\boxed{g^{\mu\nu}}$

$g^{00} = \frac{1}{R(t)^{(1.5)}}.$
$g^{01} = 0.$
$g^{02} = 0.$
$g^{03} = 0.$
$g^{10} = 0.$
$g^{11} = -\sqrt{R(t)}.$
$g^{12} = 0.$
$g^{13} = 0.$
$g^{20} = 0.$
$g^{21} = 0.$
$g^{22} = -\sqrt{R(t)}.$
$g^{23} = 0.$
$g^{30} = 0.$
$g^{31} = 0.$
$g^{32} = 0.$
$g^{33} = -\sqrt{R(t)}.$

$\boxed{\Gamma^{\sigma}_{\mu\nu}}$

$\Gamma^{0}_{00} = (0.75)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^{0}_{01} = 0.$
$\Gamma^{0}_{02} = 0.$
$\Gamma^{0}_{03} = 0.$
$\Gamma^{0}_{10} = 0.$
$\Gamma^{0}_{11} = -(0.25)\frac{\dot{R}(t)}{R(t)^{(3.0)}}.$
$\Gamma^{0}_{12} = 0.$
$\Gamma^{0}_{13} = 0.$
$\Gamma^{0}_{20} = 0.$
$\Gamma^{0}_{21} = 0.$
$\Gamma^{0}_{22} = -(0.25)\frac{\dot{R}(t)}{R(t)^{(3.0)}}.$
$\Gamma^{0}_{23} = 0.$
$\Gamma^{0}_{30} = 0.$
$\Gamma^{0}_{31} = 0.$
$\Gamma^{0}_{32} = 0.$
$\Gamma^{0}_{33} = -(0.25)\frac{\dot{R}(t)}{R(t)^{(3.0)}}.$

$\Gamma^{1}_{00} = 0.$
$\Gamma^{1}_{01} = -(0.25)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^{1}_{02} = 0.$
$\Gamma^{1}_{03} = 0.$
$\Gamma^{1}_{10} = -(0.25)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^{1}_{11} = 0.$
$\Gamma^{1}_{12} = 0.$
$\Gamma^{1}_{13} = 0.$
$\Gamma^{1}_{20} = 0.$
$\Gamma^{1}_{21} = 0.$
$\Gamma^{1}_{22} = 0.$
$\Gamma^{1}_{23} = 0.$
$\Gamma^{1}_{30} = 0.$
$\Gamma^{1}_{31} = 0.$
$\Gamma^{1}_{32} = 0.$
$\Gamma^{1}_{33} = 0.$

$\Gamma^2_{00} = 0.$
$\Gamma^2_{01} = 0.$
$\Gamma^2_{02} = -(0.25)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^2_{03} = 0.$
$\Gamma^2_{10} = 0.$
$\Gamma^2_{11} = 0.$
$\Gamma^2_{12} = 0.$
$\Gamma^2_{13} = 0.$
$\Gamma^2_{20} = -(0.25)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^2_{21} = 0.$
$\Gamma^2_{22} = 0.$
$\Gamma^2_{23} = 0.$
$\Gamma^2_{30} = 0.$
$\Gamma^2_{31} = 0.$
$\Gamma^2_{32} = 0.$
$\Gamma^2_{33} = 0.$

$\Gamma^3_{00} = 0.$
$\Gamma^3_{01} = 0.$
$\Gamma^3_{02} = 0.$
$\Gamma^3_{03} = -(0.25)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^3_{10} = 0.$
$\Gamma^3_{11} = 0.$
$\Gamma^3_{12} = 0.$
$\Gamma^3_{13} = 0.$
$\Gamma^3_{20} = 0.$
$\Gamma^3_{21} = 0.$
$\Gamma^3_{22} = 0.$
$\Gamma^3_{23} = 0.$
$\Gamma^3_{30} = -(0.25)\frac{\dot{R}(t)}{R(t)}.$
$\Gamma^3_{31} = 0.$
$\Gamma^3_{32} = 0.$
$\Gamma^3_{33} = 0.$

$\boxed{R_{\mu\nu}}$

$R_{00} = (1.5)\frac{\dot{R}(t)^2}{R(t)^{(2.0)}} - (0.75)\frac{\ddot{R}(t)}{R(t)}.$
$R_{01} = 0.$
$R_{02} = 0.$
$R_{03} = 0.$
$R_{10} = 0.$
$R_{11} = -(0.625)\frac{\dot{R}(t)^2}{R(t)^{(4.0)}} + (0.25)\frac{\ddot{R}(t)}{R(t)^{(3.0)}}.$
$R_{12} = 0.$
$R_{13} = 0.$
$R_{20} = 0.$
$R_{21} = 0.$
$R_{22} = -(0.625)\frac{\dot{R}(t)^2}{R(t)^{(4.0)}} + (0.25)\frac{\ddot{R}(t)}{R(t)^{(3.0)}}.$
$R_{23} = 0.$
$R_{30} = 0.$
$R_{31} = 0.$
$R_{32} = 0.$
$R_{33} = -(0.625)\frac{\dot{R}(t)^2}{R(t)^{(4.0)}} + (0.25)\frac{\ddot{R}(t)}{R(t)^{(3.0)}}.$

$\boxed{R^\mu_{\ \nu}}$

$R^0_{\ 0} = -(0.75)\frac{\ddot{R}(t)}{R(t)^{(2.5)}} + (1.5)\frac{\dot{R}(t)^2}{R(t)^{(3.5)}}.$
$R^0_{\ 1} = 0.$
$R^0_{\ 2} = 0.$
$R^0_{\ 3} = 0.$
$R^1_{\ 0} = 0.$
$R^1_{\ 1} = -(0.25)\frac{\ddot{R}(t)}{R(t)^{(2.5)}} + (0.625)\frac{\dot{R}(t)^2}{R(t)^{(3.5)}}.$
$R^1_{\ 2} = 0.$
$R^1_{\ 3} = 0.$
$R^2_{\ 0} = 0.$
$R^2_{\ 1} = 0.$
$R^2_{\ 2} = -(0.25)\frac{\ddot{R}(t)}{R(t)^{(2.5)}} + (0.625)\frac{\dot{R}(t)^2}{R(t)^{(3.5)}}.$
$R^2_{\ 3} = 0.$
$R^3_{\ 0} = 0.$
$R^3_{\ 1} = 0.$
$R^3_{\ 2} = 0.$
$R^3_{\ 3} = -(0.25)\frac{\ddot{R}(t)}{R(t)^{(2.5)}} + (0.625)\frac{\dot{R}(t)^2}{R(t)^{(3.5)}}.$

$\boxed{R}$

$R = -(1.5)\frac{\ddot{R}(t)}{R(t)^{(2.5)}} + (3.375)\frac{\dot{R}(t)^2}{R(t)^{(3.5)}}.$

$\boxed{G^{\mu}_{\nu}}$

$G^{0}_{0} = -(0.1875)\dfrac{\dot{R}(t)^{2}}{R(t)^{(3.5)}}.$

$G^{0}_{1} = 0.$

$G^{0}_{2} = 0.$

$G^{0}_{3} = 0.$

$G^{1}_{0} = 0.$

$G^{1}_{1} = (0.5)\dfrac{\ddot{R}(t)}{R(t)^{(2.5)}} - (1.0625)\dfrac{\dot{R}(t)^{2}}{R(t)^{(3.5)}}.$

$G^{1}_{2} = 0.$

$G^{1}_{3} = 0.$

$G^{2}_{0} = 0.$

$G^{2}_{1} = 0.$

$G^{2}_{2} = (0.5)\dfrac{\ddot{R}(t)}{R(t)^{(2.5)}} - (1.0625)\dfrac{\dot{R}(t)^{2}}{R(t)^{(3.5)}}.$

$G^{2}_{3} = 0.$

$G^{3}_{0} = 0.$

$G^{3}_{1} = 0.$

$G^{3}_{2} = 0.$

$G^{3}_{3} = (0.5)\dfrac{\ddot{R}(t)}{R(t)^{(2.5)}} - (1.0625)\dfrac{\dot{R}(t)^{2}}{R(t)^{(3.5)}}.$

$\boxed{G}$

$G = (1.5)\dfrac{\ddot{R}(t)}{R(t)^{(2.5)}} - (3.375)\dfrac{\dot{R}(t)^{2}}{R(t)^{(3.5)}}.$

$\boxed{G^{\mu}_{\nu;\mu} = 0}$

$G^{\mu}_{0;\mu} = 0.$

$G^{\mu}_{1;\mu} = 0.$

$G^{\mu}_{2;\mu} = 0.$

$G^{\mu}_{3;\mu} = 0.$

$\boxed{g^{\mu\nu}\,\Gamma^{\lambda}_{\mu\nu} = 0?}$

$g^{\mu\nu}\,\Gamma^{0}_{\mu\nu} = (0.75)\dfrac{\dot{R}(t)}{R(t)^{(3.5)}} + (0.75)\dot{R}(t)\sqrt{R(t)}.$

$g^{\mu\nu}\,\Gamma^{1}_{\mu\nu} = 0.$

$g^{\mu\nu}\,\Gamma^{2}_{\mu\nu} = 0.$

$g^{\mu\nu}\,\Gamma^{3}_{\mu\nu} = 0.$