In[1]:=
```
Clear["Global`*"]
SetDirectory["/Users/kevin/papers/math/GRcode"]
```
Out[2]= /Users/kevin/papers/math/GRcode

In[3]:=
```
<< GREAT.m
```
```
GREAT functions are: IMetric, Christoffel,
  Riemann, Ricci, SCurvature, EinsteinTensor, SqRicci, SqRiemann.
Enter 'helpGREAT' for this list of functions
```

In[4]:=
```
x = {r, theta, phi}
```
Out[4]= {r, theta, phi}

In[5]:=
```
(g = {{1 / (1 + (r / L)^2), 0, 0}, {0, r^2, 0}, {0, 0, r^2 Sin[theta]^2}}) // MatrixForm
```
Out[5]//MatrixForm=

$$\begin{pmatrix} \frac{1}{1+\frac{r^2}{L^2}} & 0 & 0 \\ 0 & r^2 & 0 \\ 0 & 0 & r^2\,\text{Sin}[\text{theta}]^2 \end{pmatrix}$$

In[6]:=
```
SCurvature[g, x]
```
Out[6]= $-\frac{6}{L^2}$