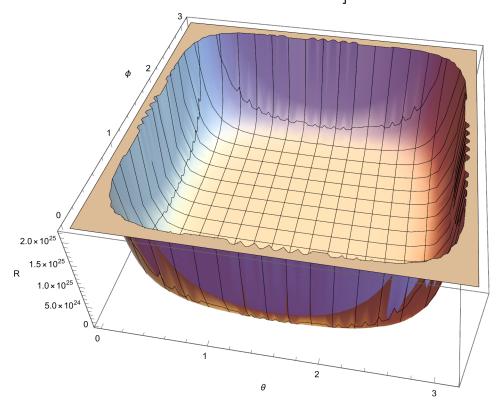
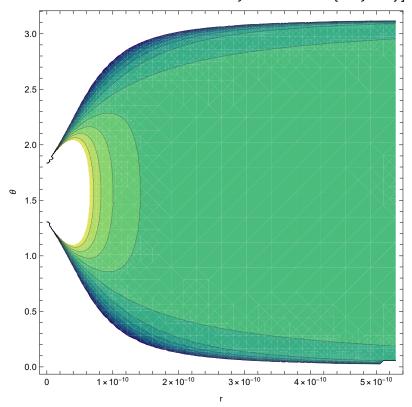
```
ClearAll;  \gamma = 0.9999; \\ w = w; \\ a = 0.52 \times 10^{-10}; \\ t = 0; \\ r = 2 a; \\ Plot3D \Big[ \Big( 6 \, a^{2\,\gamma - 4} \, e^{\frac{r}{a}} \, r^{2 - 2\,\gamma} \, \text{Csc} [\theta]^2 \, \text{Csc} [\phi]^2 \, \text{Sec} [2\,w\,t] \, \left( 4 + \text{Sec} [2\,w\,t]^2 \right) \Big), \\ \{ \phi, \, \theta, \, Pi \}, \, \{ \theta, \, \theta, \, Pi \}, \, \text{AxesLabel} \rightarrow \{ "\theta ", "\phi ", "R" \} \Big]
```

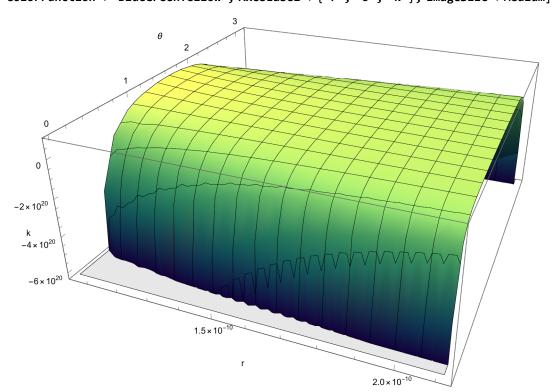


 $ContourPlot[(1/r^2)*(1-(Cot[theta]^2/(.729-1-r/(2*.529*10^-10))^2)),$ $\{r, 0, 2*5*.529*10^-10\}, \{theta, 0, Pi\},$

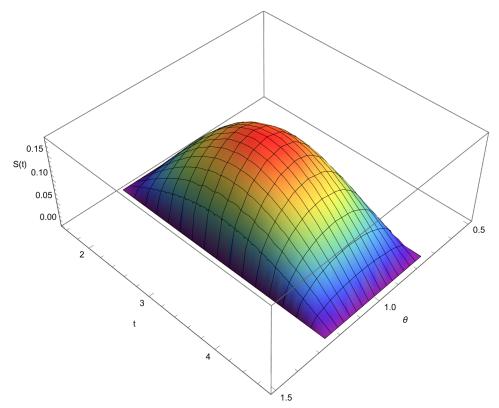
 $\texttt{ColorFunction} \rightarrow \texttt{"BlueGreenYellow", FrameLabel} \rightarrow \{\texttt{"r", "}\theta\texttt{"}\}]$



 $\label{eq:plot3D} \verb| Plot3D[(1/x^2) * (1 - (Cot[y]^2/(.9999733 - 1 - x/(2*.529*10^-10))^2)) ,$ $\{x, 2 * .529 * 10^-10, 4 * .529 * 10^-10\}, \{y, 0, Pi\},$ ColorFunction \rightarrow "BlueGreenYellow", AxesLabel \rightarrow {"r", " θ ", "k"}, ImageSize \rightarrow Medium]



```
scalefactor2 := r^{2\gamma-4} a^{4-2\gamma} e^{\frac{-r}{a}} Cos[\theta]^2 Sin[\phi]^2 Cos[2*w*t];
ClearAll;
     \gamma = 0.99999;
     a = a;
     r = 2 a;
  T = 1;
W = Pi / T;
Plot3D \Big[ Sqrt \Big[ r^{2\,\gamma-4} \, a^{4-2\,\gamma} \, e^{\frac{-r}{a}} \, Cos \, [\theta]^{\,2} \, Cos \Big[ \frac{2\,Pi}{T} \, * \, t \Big] \Big], \, \{t,\, T\,/\,2,\, 3\,T\,/\,2\}, \, \{\theta,\, Pi\,/\,2,\, 3\,Pi\,/\,2\}, \, \{\theta,\, Pi\,/\,2,\, 3\,Pi\,/
```



```
scalefactorsquare := S^2[t] = r^{2\gamma-4} a^{4-2\gamma} e^{\frac{-r}{a}} Cos[\theta]^2 Sin[\phi]^2 Cos[2*w*t];
ClearAll;
\gamma = 0.99999;
a = a;
r = 2 a;
T = 1;
W = \frac{Pi}{T};
```

ContourPlot3D $\left[\operatorname{Sqrt} \left[r^{2 \cdot \gamma - 4} \ a^{4-2 \cdot \gamma} \ e^{\frac{-r}{a}} \ \operatorname{Cos} \left[\theta \right]^{2} \operatorname{Sin} \left[\phi \right]^{2} \operatorname{Cos} \left[\frac{2 \operatorname{Pi}}{T} \star t \right] \right], \{ \phi, \emptyset, \operatorname{Pi} \},$ $\{ \theta, \operatorname{Pi} / 2, \operatorname{3Pi} / 2 \}, \{ t, \emptyset, \operatorname{T} / 4 \}, \operatorname{AxesLabel} \rightarrow \{ "t", "\theta", "\phi" \}, \operatorname{ImageSize} \rightarrow \operatorname{Medium} \right]$

