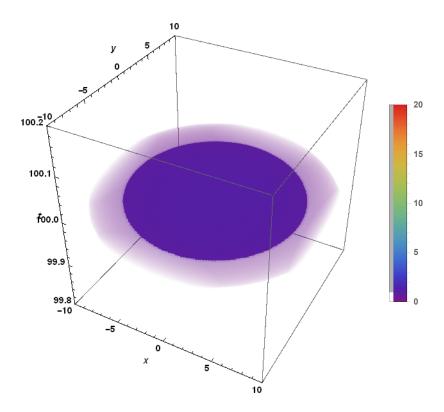
```
ClearAll["Global`*"]
SetDirectory[NotebookDirectory[]]
C:\Users\Javier\Desktop\Fisica\Prácticas\Mathematica\Propagación
  MB 3 niveles\MBCPR spatial
FWHM = 10; (*mm*) (*5 to the right and 5 to the left at FWHM*)
\Omega G = 20; (*ns^{-1}*)
radios = 15; (*numero de radios que tomamos*)
j = 10;
MatrizExp2 = {};
(*CALCULAMOS UN CORTE DE LA GAUSSIANA EN LA DIRECCION X*)
i = 1;
Do [Clear[r];
  r = 0;
  Do[Clear[m, MatrizExp1];
   (*LLAMAMOS A LOS ARCHIVOS CON EL PULSO
    GENERADO POR DISTANCIA AL CENTRO DEL PULSO UNO A UNO*)
   GenerRabi = OpenRead[StringJoin["GenerPulse", ToString[r], ".txt"]];
   ListaGenerRabi = {};
   ListaGenerRabi = ReadList[GenerRabi, Expression];
   m = Max[Drop[Drop[Flatten[Take[ListaGenerRabi, {200 * (i - 1) + 1, 200 * i}]],
        \{1, 600, 3\}, \{1, 400, 2\}];
   MatrizExp1 = {};
   MatrizExp1 = Append[MatrizExp1, r];
   MatrizExp1 = Append[MatrizExp1, m];
   MatrizExp2 = Append[MatrizExp2, MatrizExp1];
   {radios + 1}];
  i++,
  {j}];
```

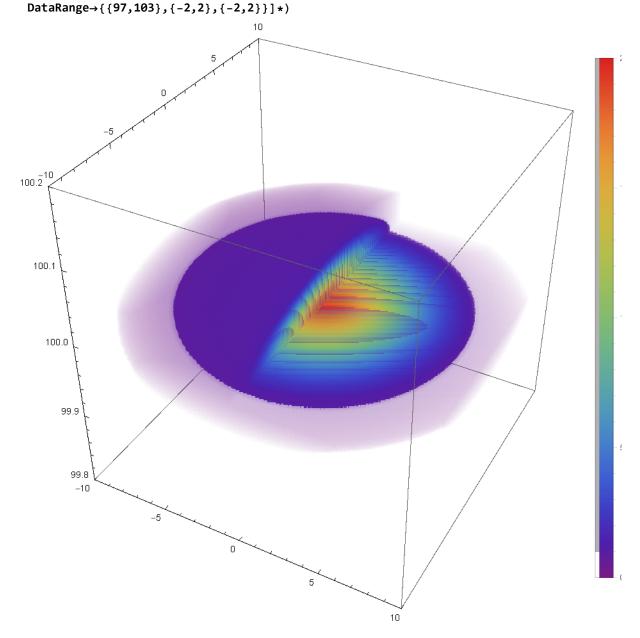
```
Clear[r, i];
Plot[Evaluate[Table[Interpolation[Take[MatrizExp2, {16*(i-1)+1, 16*i}]][r],
    {i, 1, 10}]], {r, 0, 15}]
(*REVOLVEMOS LA LISTA*)
i = 10;
Gaussiana = Interpolation [Take [MatrizExp2, \{16 * (i-1) + 1, 16 * i\}]][r];
RevolutionPlot3D[Gaussiana, \{r, 0, 15\}, RevolutionAxis \rightarrow \{0, 0, 1\}]
0.00012
0.00010
0.00008
0.00006
0.00004
0.00002
                                                              14
0.00010
0.00005
 0.00000
          -10
r = 0;
i = 10;
GenerRabi = OpenRead[StringJoin["GenerPulse", ToString[r], ".txt"]];
ListaGenerRabi = {};
ListaGenerRabi = ReadList[GenerRabi, Expression];
 \label{eq:max_prop_def} \text{Max} \Big[ \text{Drop} \Big[ \text{Flatten} \Big[ \text{Take} \Big[ \text{ListaGenerRabi}, \Big\{ 200 * \big( i-1 \big) + 1, 200 * i \Big\} \Big] \Big], \\ \{ 1, 600, 3 \} \Big],
    {1, 400, 2}]]
Pos1 = Position [Drop[Drop[Flatten[Take[ListaGenerRabi, {200 * (i - 1) + 1, 200 * i}]],
       {1,600,3}],{1,400,2}],m];
Pos2 = Replace[Pos1, \{x_List\} \Rightarrow x, \{0, 1\}];
mtime =
 Drop[Drop[Flatten[Take[ListaGenerRabi, {200 * (i-1) + 1, 200 * i}]], {2, 600, 3}],
    {2, 400, 2} [ [Pos2] ]
0.000124848
\{118.6\}
```

 $data = Table \left[Exp \left[-x^2 - y^2 \right] Exp \left[-t^2 \right], \{t, -2, 2, 0.1\}, \{y, -10, 10, 0.5\}, \{x, -10, 10, 0.5\} \right]$



data = Table $\left[20 \operatorname{Exp} \left[-\left(x^2 + y^2\right) / 5^2\right] \operatorname{Exp} \left[-300^2 \left(t - 100\right)^2 / 10^2\right]\right]$ $\{t, 99.8, 100.2, 0.002\}, \{y, -10, 10, 0.1\}, \{x, -10, 10, 0.1\}\];$ ListDensityPlot3D[data, ColorFunction \rightarrow "Rainbow", AxesLabel \rightarrow {x, y, t}, ${\tt LabelStyle} \rightarrow {\tt Directive[Bold]}, \ {\tt PlotLegends} \rightarrow {\tt Automatic},$ DataRange $\rightarrow \{\{-10, 10\}, \{-10, 10\}, \{99.8, 100.2\}\}]$





 $\begin{tabular}{ll} $(*data=Table[x^2+y^2+z^2,\{z,-2,2,0.1\},\{y,-2,2,0.1\},\{x,-2,2,0.1\}];$ \\ ListSliceDensityPlot3D[data,"ZStackedPlanes", \\ RegionFunction \rightarrow Function[\{x,y,z\},x<0\,|\,|y>0],DataRange \rightarrow $\{-2,2\},\{-2,2\},\{-2,2\}\}]*) \\ \end{tabular}$