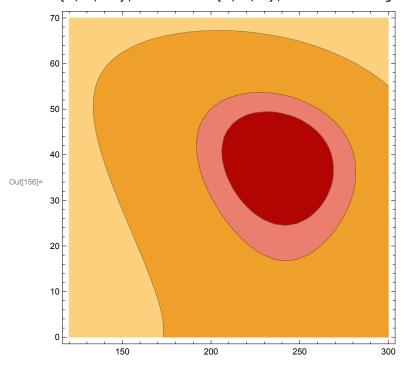
```
In[161]:= ClearAll["Global`*"]
In[162]:= Data = Import[
          "D:\\sebas\\estudios\\exactas\\materias\\materiasdf\\incertezas\\doble_exp.dat"
          , "Table", "HeaderLines" \rightarrow 1]; x = Data[[All, 1]]; y = Data[[All, 2]];
In[163]:= DataPlot = ListLogPlot[Data, PlotMarkers → {Automatic, 10}];
ln[164] = f[x_, a_, b_, c_, d_, e_] := a + b * Exp[-x/d] + c * Exp[-x/e]
\label{eq:sigma} \text{In[165]:= S[a_,b_,c_,d_,e_] := Sum} \bigg[ \bigg( \frac{y \hbox{\tt [[i]]-f[x[[i]],a,b,c,d,e]}}{y \hbox{\tt [[i]]}} \bigg)^2, \ \ \{i,1,Length[y]\} \bigg]
log(166) = res = FindMinimum[S[a, b, c, d, e], {a, 10}, {b, 130}, {c, 1000}, {d, 200}, {e, 35}}];
In[167]:= res[[2]]
Out[167]= \{a \rightarrow 8.06945, b \rightarrow 108.561, c \rightarrow 886.315, d \rightarrow 238.327, e \rightarrow 38.3593\}
ln[168] = Show[{LogPlot[f[x, a, b, c, d, e] /. res[[2]], {x, 0, 800}, 
           PlotStyle → Directive[Orange], Frame → True, GridLines → Automatic], DataPlot}]
       1000
Out[168]=
        100
         10
           0
                         200
                                       400
                                                     600
                                                                   800
```

 $log(156) = ContourPlot[(S[a, b, c, X, Y] - res[[1]]) /. res[[2]], {X, 120, 300},$ $\{Y, 0, 70\}$, Contours $\rightarrow \{1, 2, 8\}$, ContourShading \rightarrow ColorData[10, "ColorList"]]



In[151]:= ColorData["TemperatureMap", "ColorList"]

Out[151]= Missing[NotApplicable]

 $log(154) = ContourPlot[(S[X, Y, c, d, e] - res[[1]]) /. res[[2]], {X, 2, 15},$ $\{Y, 40, 170\}$, Contours $\rightarrow \{1, 2\}$, ContourShading \rightarrow ColorData[10, "ColorList"]]

