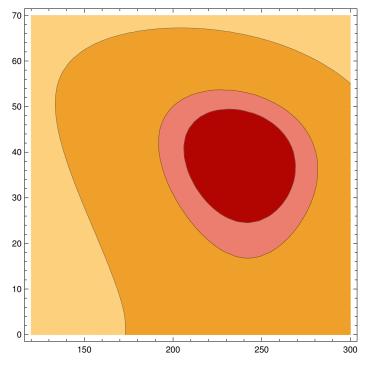
```
ClearAll["Global`*"]
Data = Import [
       "D:\\sebas\\estudios\\exactas\\materias \\materiasdf \\incertezas\\doble_exp.
             dat", "Table", "HeaderLines" → 1];
x = Data[[All, 1]]; y = Data[[All, 2]];
DataPlot = ListLogPlot[Data, PlotMarkers → {Automatic , 10}];
f[x_{a}, a_{b}, c_{d}, e_{i}] := a + b * Exp[-x/d] + c * Exp[-x/e]
S\left[a_{\text{-}},b_{\text{-}},c_{\text{-}},d_{\text{-}},e_{\text{-}}\right] := Sum \left[\left(\frac{y\left[\left[\dot{1}\right]\right]-f\left[x\left[\left[\dot{1}\right]\right],a,b,c,d,e\right]}{y\left[\left[\dot{1}\right]\right]}\right)^{2},\left\{\dot{1},1,Length[y]\right\}\right]
res = FindMinimum [S[a, b, c, d, e], \{a, 10\}, \{b, 130\}, \{c, 1000\}, \{d, 200\}, \{e, 35\}\}];
res[[2]]
\{a \rightarrow 8.06945, b \rightarrow 108.561, c \rightarrow 886.315, d \rightarrow 238.327, e \rightarrow 38.3593\}
Show[\{LogPlot[f[x,a,b,c,d,e]/.res[[2]],\{x,0,800\},
          PlotStyle → Directive(Orange], Frame → True, GridLines→ Automatic ], DataPlot}]
1000
 500
 100
  50
                     200
                                    400
                                                    600
```

$$\begin{split} & \texttt{ContourPlot}\big[\left(\texttt{S[a,b,c,X,Y]-res[[1]]} \right) /. \ \texttt{res[[2]],\{X,120,300\}}, \\ & \{ \texttt{Y},0,70 \}, \texttt{Contours} \rightarrow \{1,2,8 \}, \texttt{ContourShading} \rightarrow \texttt{ColorData[10,"ColorList"]} \big] \end{split}$$



ColorData["TemperatureMap ", "ColorList"]

Missing[NotApplicable]

$$\begin{split} & \texttt{ContourPlot} \left[\left(\mathbb{S} \left[\mathbb{X}, \mathbb{Y}, \mathbb{c}, \mathbb{d}, \mathbb{e} \right] - \mathbb{res} \left[[1] \right] \right) /. \ \mathbb{res} \left[[2] \right], \left\{ \mathbb{X}, 2, 15 \right\}, \\ & \left\{ \mathbb{Y}, 40, 170 \right\}, \mathbb{Contours} \rightarrow \left\{ 1, 2 \right\}, \mathbb{ContourShading} \rightarrow \mathbb{ColorData} \left[10, \mathbb{ColorList} \right] \right] \end{split}$$

