# Mean-field solution

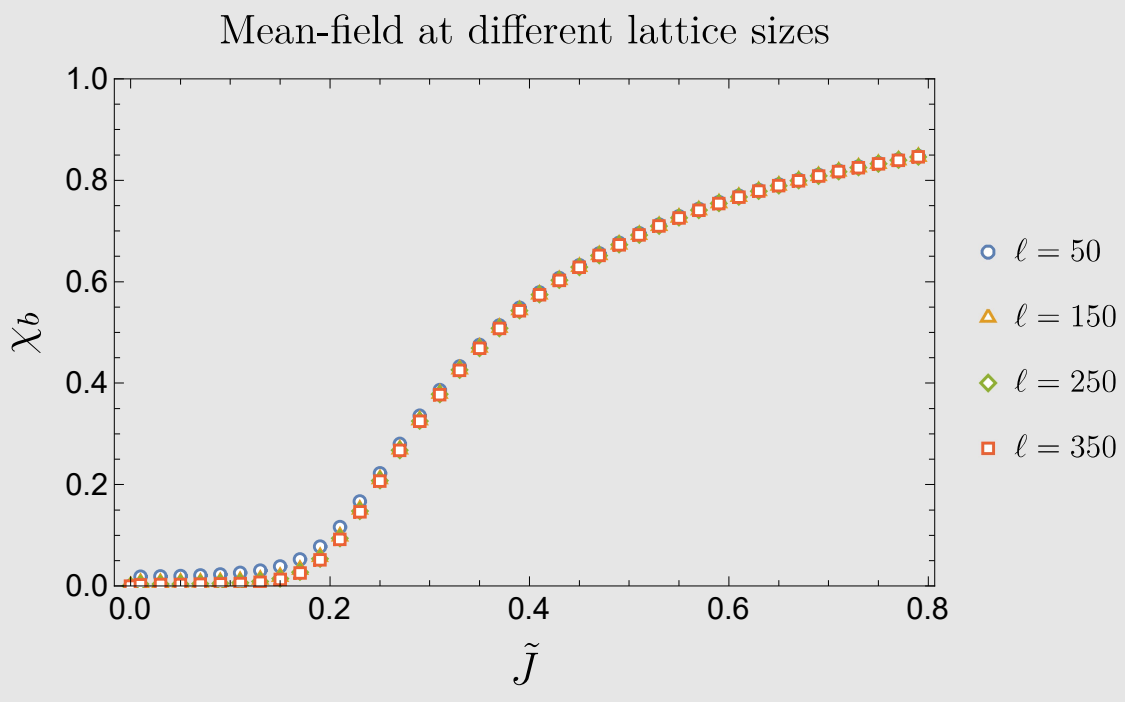
## Evaluate notebook

In[ ]:=
```
Needs["MaTeX`"]
```

- **Plots**
  - **Loading the data from files ...**
  - **Putting all together**

In[ ]:=
```
ListPlot[ {b50, b150, b250, b350}, FrameLabel →
  { MaTeX["\\tilde{J}", Magnification → 2] , MaTeX["\\chi_b", Magnification → 2] } ,
 PlotRange → {0, 1}, Joined → False, PlotMarkers → "OpenMarkers",
 Frame → True, (*PlotStyle→{Darker[Blue]}, *)
 FrameStyle → Directive[Black, 16], ImageSize → 500 ,
 PlotLabel → Style[MaTeX["\\text{Mean-field at different lattice sizes}",
    Magnification → 1.8] , 20 , Black ] ]
```

Out[ ]=



In[ ]:=

```
ListPlot[ {c50, c150, c250, c350}, FrameLabel →
  { MaTeX["\\tilde{J}", Magnification → 2] ,  MaTeX["\\chi_c", Magnification → 2] } ,
 PlotRange → {0.01, -.4}, Joined → False, PlotMarkers → "OpenMarkers",
 Frame → True, (*PlotStyle→{Darker[Blue]}, *)
 FrameStyle → Directive[Black, 16], ImageSize → 500 ,
 PlotLabel → Style[MaTeX["\\text{Mean-field at different lattice sizes}",
    Magnification → 1.8] , 20 , Black ] ]
```

Out[ ]=