

In[1]:= Manipulate[
RootLocusPlot[k / (s^3 + s^2 + s), {k, 0, 1.5}, PlotRange → All, AspectRatio → 1,
PoleZeroMarkers → {Automatic, "ParameterValues" → kval}], {kval, 0, 1.5}]

Out[1]=

