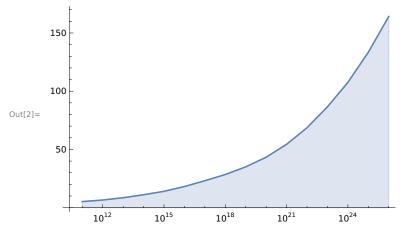
## In[2]:= ListLogLinearPlot[alphaGourdon, Filling $\rightarrow$ Bottom, Joined $\rightarrow$ True]



(\* alpha is a tuning factor that balances the computation of the easy special leaves (A + C formulas) and the hard special leaves (D formula). The formula below is used in the file src/util.cpp to calculate a fast alpha factor for the computation of pi(x). \*)

 $\label{eq:nonlinearModelFit[alphaGourdon, a (Log[x])^3 + b (Log[x])^2 + c Log[x] + d, {a, b, c, d}, x]} \\ \text{Out[3]= FittedModel} \left[ -183.836 + 16.5791 \, \text{Log[x]} - 0.495545 \, \ll 1 \gg^2 + 0.00526934 \, \text{Log[x]}^3 \, \right]$