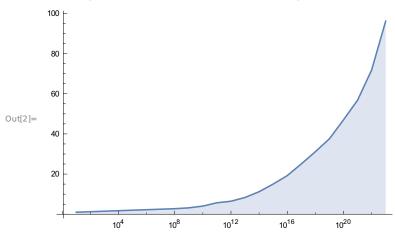
In[2]:= ListLogLinearPlot[alphaGourdon, Filling → Bottom, Joined → True]

 $\{10\,000\,000\,000\,000\,000\,000\,000\,000,\,71.804\},\,\{100\,000\,000\,000\,000\,000\,000\,000,\,96.146\}\}$



(* 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/common.cpp to calculate a fast alpha factor for the computation of pi(x). *)

NonlinearModelFit[alphaGourdon, $a(Log[x])^3 + b(Log[x])^2 + cLog[x] + d$, {a, b, c, d}, x]

Out[3]= FittedModel $-2.60402 + 1.51385 \log[x] - 0.0958799 \ll 1 \gg^2 + 0.00189716 \log[x]^3$