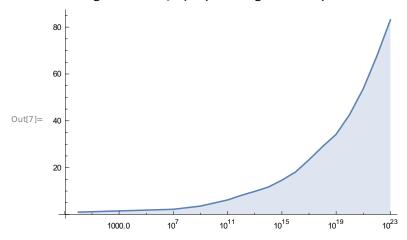
```
alpha = {(* {x, alpha} *){1, 1}, {10^7, 2.210}, {10^9, 3.590}, {10^10, 4.900}, {10^11, 6.211}, {10^12, 8.154}, {10^13, 9.857}, {10^14, 11.715}, {10^15, 14.628}, {10^16, 18.138}, {10^17, 23.375}, {10^18, 28.992}, {10^19, 34.240}, {10^20, 42.741}, {10^21, 53.706}, {10^22, 67.605}, {10^23, 83.126}}
```

In[7]:= ListLogLinearPlot[alpha, Filling → Bottom, Joined → True]



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

ln[8]:= NonlinearModelFit[alpha, a(Log[x])^3 + b(Log[x])^2 + c Log[x] + d, {a, b, c, d}, x]

Out[8]= FittedModel $0.372253 + 1.00165 \log[x] - 0.0691909 \ll 1 \gg^2 + 0.00148918 \log[x]^3$