$$ln[*] = N \left[1 - \frac{m4}{\sqrt{m} \rho^2} / . \{n \to 100\} \right]$$
 _числен ρ _числен ρ _ ρ

Out[*]= 0.0226025

Out[*]= 0.0113421

$$ln[*]:=$$
 N $\left[1-\frac{m4}{\sqrt{m}}\right]$ /. {n → 400}]

Out[*]= 0.00568103

$$\label{eq:outf*} \textit{Out[*]=} \ \frac{\text{0.} - \text{2.19772} \times \text{0.910259}^{-1+n} \ n + \text{5.30538} \times \text{2.1974}^{-1+n} \ n}{\left(\text{1.11022} \times \text{10}^{-16} \times \text{0.910259}^{-1+n} + \text{2.} \times \text{2.1974}^{-1+n}\right) \ n^2}$$

$$ln[\circ]:= N\left[1-\frac{m4}{2} \text{ /. } \{n \to 50\}\right]$$
 _числен $\frac{3}{2}m^2$ приближение

Out[*]= **0.131271**

$$ln[*]:= N \left[1 - \frac{m4}{n} / . \{n \to 100\}\right]$$

| числен $n \to 100$

Out[*]= **0.110552**

$$In[\bullet]:= N\left[1-\frac{m4}{2} /. \{n \rightarrow 200\}\right]$$
 числен $\frac{3}{2} \frac{m^2}{2}$

Out[*]= 0.100193

$$ln[*]:= N \left[1 - \frac{m4}{2} / . \{n \rightarrow 400\}\right]$$
 _ числен $\frac{3}{2} m^2 n^2$ риближение

 $Out[\ \ \ \ \]=\ 0.0950134$

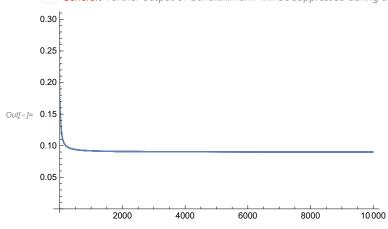
$$In[*]$$
:= ListPlot[Table[1 - $\frac{m4}{}$, {n, 10, 10000, 1}], PlotRange → Full] _диаграмм·· _таблица зна 3 ежим 2^2 _ _тображаем··· _в полно

General: $\frac{8.85956 \times 10^{-297}}{562434001936}$ is too small to represent as a normalized machine number; precision may be lost.

 $\frac{4.03184\times10^{-297}}{565036352721} \text{ is too small to represent as a normalized machine number; precision may be lost.}$

 $\frac{1.83482\times10^{-297}}{567647723776} \text{ is too small to represent as a normalized machine number; precision may be lost.}$ General:

General: Further output of General::munfl will be suppressed during this calculation.



ln[*]:= n = 10000000

$$1 - \frac{m4}{3 + m2^2}$$

Out[•]= 10 000 000

General: 0.910259⁹⁹⁹⁹⁹⁹⁹ is too small to represent as a normalized machine number; precision may be lost.

General: 0.910259⁹⁹⁹⁹⁹⁹⁹ is too small to represent as a normalized machine number; precision may be lost.

General: 0.910259⁹⁹⁹⁹⁹⁹⁸ is too small to represent as a normalized machine number; precision may be lost.

General: Further output of General::munfl will be suppressed during this calculation.

Out[*]= 0.089834055692997