

Difference between using classical calculation of momentum vs. relativistic calculation

KE/mc ²	Momentum Classical (2mKE) ^{1/2}	Momentum Relativistic (E ² -(mc ²) ²) ^{1/2}	Percent Difference
0.01	0.141	0.142	0.2%
0.02	0.200	0.201	0.5%
0.03	0.245	0.247	0.7%
0.04	0.283	0.286	1.0%
0.05	0.316	0.320	1.2%
0.06	0.346	0.352	1.5%
0.07	0.374	0.381	1.7%
0.08	0.400	0.408	1.9%
0.09	0.424	0.434	2.2%
0.1	0.447	0.458	2.4%
0.11	0.469	0.482	2.6%
0.12	0.490	0.504	2.9%
0.14	0.529	0.547	3.3%
0.16	0.566	0.588	3.8%
0.18	0.600	0.626	4.2%
0.2	0.632	0.663	4.7%
0.22	0.663	0.699	5.1%
0.24	0.693	0.733	5.5%

