

Roles of Applied Physics in Our Modern Life

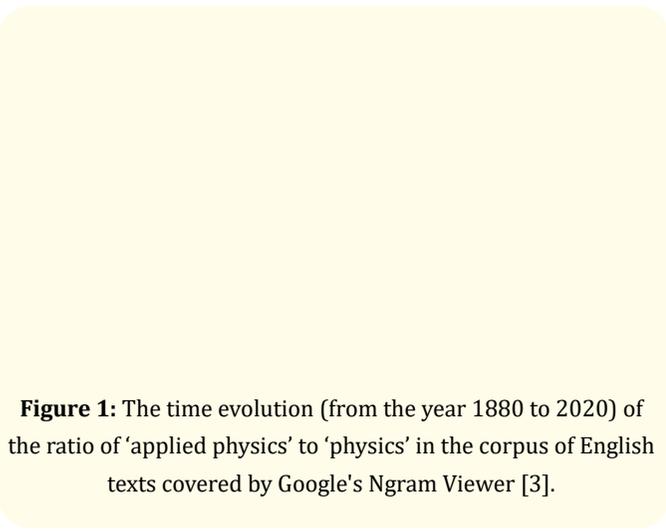
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The applied physics (i.e. uses of physics) is playing very vital roles in obtaining every step of our modern life. It is not only rooted in the fundamental truths and basic concepts of the physical sciences, but also it is concerned with the utilization of scientific principles in practical devices and systems [1-3], and in the applications of physics in other areas of sciences including medical and engineering sciences. It is, in fact, considered as a direct bridge connecting physics and all branches of engineering sciences in past (1st-3rd industrial revolutions), present (4th industrial revolution) and future (5th industrial evolution and so on). Thus, the research field of applied physics has attracted the attention of the young genius brains of our modern scientific world.

The plot shown below (Figure 1) indicates that the use of the word 'applied physics' compared to 'physics' did not increase significantly from the year 1880 to 1820, but it significantly increased from the year 1920 to 1960. On the other hand, it insignificantly increases from the year 1960 to 2000, but it sharply increased from the year 2000 to date.



Because of its diversity in aspects of new discoveries of many instrumental devices and in aspects of opening different new research horizons [1-3], the research problems in applied physics is expected to be very challenging for obtaining our new and further new modern life not only in near future, but also for a long period of time to come. The prospects for 'Acta Scientific Applied Physics' are, therefore, very bright. The last, but of course not the least, I wish all the Editors in every success in flourishing and making meaningful this journal.

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