



Mathematics in History, Culture, Philosophy and Science: From Ancient Times To Modern Age

By Sarju Tiwari

Mittal Publications, New Delhi, 1992. N.A. Book Condition: New. Xii+288pp Despite the great achievements of mathematics, educated elite almost universally reject it as distasteful. They continue to remain frightened by its dry skeleton shown to them in their childhood. The mathematical curricula completely ignore its socio-cultural impacts on the society. The present book attempts to project the living structure of mathematics. It aims to cover its technical bones with philosophical blood, cultural flesh, and scientific skin in order to make them attractive. Different mathematical concepts are, thus, shown to emerge as by-products of socio-cultural developments. They in turn shape long way in removing the prevailing fear complex generated by the hazy and usually wrong perceptions of actual mathematical realises. Different mathematical ideas have been traced to their mathematical roots in philosophical, sociological, linguistic, cultural, and scientific perspectives. Wide gaps between the concepts incorporated in mathematical curricula have been attempted to be filled in by cultural linages between the ideas in question. Significant developments in cosmology, astronomy, pure physics, space travel and astrophysics have been surveyed as connecting tissues of living and evolving mathematics. The impact of mathematical studies in generating rational outlook, scientific temper, and discerning insight as essential ingredients...



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