

Nature of Science*

The Evolutional, Hierarchical, and Debatable

Shweta Tanwar

Since time immemorial, science has been evolving, playing an immense role from being a philosophy to a discipline and career. Its nature and categorization into many dimensions render it unique amongst all disciplines. Though the tenets, philosophy, and scientific methods of searching for the truth of the physical world make science stand apart within its realm, it encounters heaps of debates. The article focuses on the nature of science while navigating through its evolutionary journey until the present, and the way it emerged as a versatile enterprise holding hierarchical and diagonal relationships among its distinctions. Capturing the veiled philosophical and psychological realities in an exploratory fashion, the article thus tries to bring out the real nature of science concealed within the debates of science.

Introduction

Worldwide, scientific enterprise has managed to build its image of being objective, rational, and devoid of prejudice. Though many definitions and debates hovering around science have thrown light over its nature, questions such as 'what exactly is science?', 'what is good science?', and 'what distinguishes science from other areas of knowledge'? have been a constant subject of inquiry among the philosophers, scientists, and other stakeholders. Does the characteristics of science as displayed to the world have consensus with its real nature or the way it operates? Since its conception as 'science', there have been debates about its knowledge domain, way of searching the truth about the physical world and the 'correct' scientific method that scientists should follow. The



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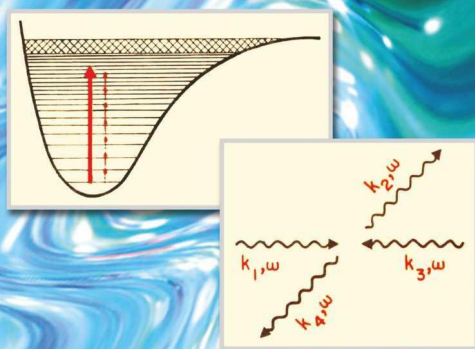
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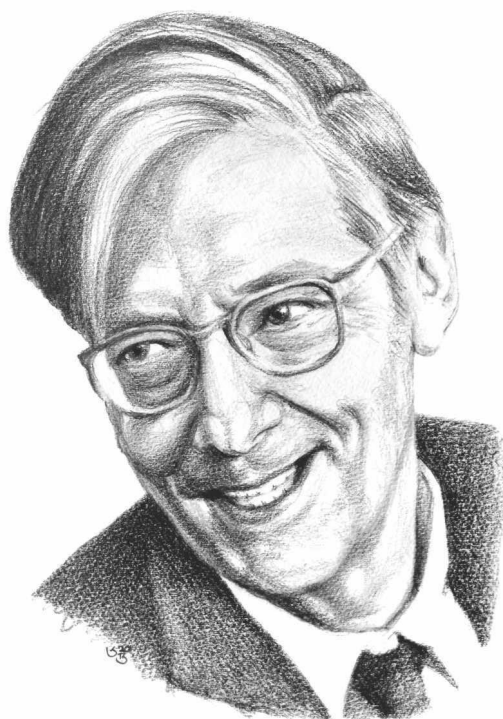
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Nicolaas Bloembergen
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