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the study of transport phenomena concerns the exchange of mass, energy, charge, momentum and angular momentum between observed and studied systems. While it draws from fields as diverse as continuum mechanics and thermodynamics, it places a heavy emphasis on the commonalities between the topics covered. Mass, momentum, and heat transport all share a very similar mathematical framework, and the parallels between them are exploited in the study of transport p

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From Wikipedia, the free encyclopedia George Alexander Truskey is an American biomedical engineer noted for his research on transport phenomena in biological systems, cardiovascular tissue engineering, and cell adhesion to natural and synthetic surfaces.

George Truskey - Wikipedia

In order to describe transport phenomena in such biological systems,

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nonequilibrium thermodynamics has been employed to characterize the relationship between fluid and ionic fluxes and their generalized driving forces [9 - 11], with the latter originating in the gradient of the electrochemical potential and affinity of metabolic reactions.

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