

David Horn

Education:

BSc 1961, MSc 1962, Technion

PhD 1965, Hebrew University

Academic appointments at TAU:

Professor of Physics 1972.

Vice-Rector 1980-3.

Chairman, School of Physics and Astronomy,
1985-9

Dean of Exact Sciences 1990-5

Emeritus 2005

National Administrative Roles:

Chair, Israel Commission for HEP 1983-2003.

President, Israel Physical Society, 1985-88.

Member, Israel Comm High Educat 1987-91.

Member, Executive Committee EPS 1989-92

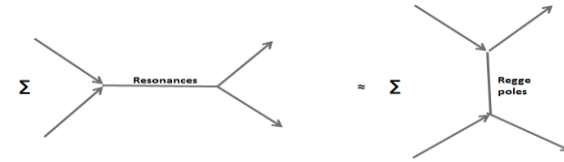
Israel's Delegate to ESFRI 2005-2017

Chair, VATAT Committee of Research

Infrastructures 2012-16

Major publications

Physics



Finite Energy Sum Rules (DHS duality) 1967-8

Coherent production of pions 1971

Mesons with Constituent gluons 1978

Finite Matrix Models with continuous Local Gauge Invariance 1981

The t-expansion of lattice QCD 1984

Neural networks and Machine Learning

Optimal ensemble averaging of neural networks 1997

Memory maintenance via neuronal regulation 1998

Support Vector Clustering (SVC) 2001

Quantum Clustering (QC) 2002

Unsupervised learning of natural languages 2005

Unsupervised feature filtering of biological data 2006