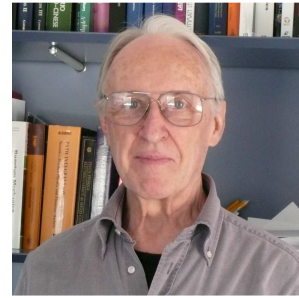


Misner Charles

Position: Professor Emeritus and Senior Research Scientist
University of Maryland

Period: 2000-present



I Scientific Work

Discussions with Ruffini, Kerr, and Vereshchagin regarding black holes and gamma ray bursts. Commented on Gurzadyan's papers on CMB

II Conference and educational activities

Lectured at the symposium "Lucrezio, Leopardi, Hawking: tra Vuoto e Materia" at Villa Favorita in Ercolino. My title was "One attempt to make Something out of Nothing in Theoretical Physics" with a translation to Italian by Paola Catapano (CERN). Lectured in Rome "La Sapienza" on "John A Wheeler's rescue of Einstein's gravitation theory".

III Other

Education: B.S. Physics, Notre Dame 1952 (mathematics mentor Arnold Ross); Ph.D., Princeton 1957 (mentor John Archibald Wheeler).

University Positions: Princeton 1956-63, University of Maryland 1963-2000, now Emeritus. Visitor at Max-Planck Einstein Institute (Potsdam) 2000, 2002, 2005; UC Santa Barbara ITP 1980-81; All Souls College, Oxford 1973; Caltech 1972; Princeton 1969; DAMTP Cambridge UK 1966-67.

Honors and Awards: Fellow of the American Academy of Arts & Sciences 2000; Dannie Heineman Prize for Mathematical Physics (APS, shared with Arnowitt and Deser) 1994; Guggenheim Fellowship 1972-73; Festschrift (*Papers in honor of Charles Misner*, Cambridge Univ. Press 1993, Hu et al. editors).

Selected Publications: Arnowitt, Deser and Misner (ADM) "The dynamics of general relativity" (This paper; originally pp 227—265 in L. Witten, ed., *Gravitation: An Introduction to Current Research*, Wiley, New York, 1962), gr-qc/0405109;

-- Misner, Thorne and Wheeler (MTW) *Gravitation* (Freeman 1973) [Now a classic, never revised, still selling over 500 copies per year.];

-- Misner and Finkelstein "Some New Conservation Laws" (*Annals of Physics* **6**, 230—243, 1959);

-- Misner, "Wormhole Initial Conditions" (*Physical Review* **118**, 1110—1111, 1960)

-- Misner (with D L Beckedorff), "Infinite Red-Shifts in General Relativity" (pp 75—89 in T Gold, ed., *The Nature of Time---Cornell Conference 1963*, Cornell University Press 1967) <http://www.lib.umd.edu/drum/handle/1903/4280?mode=full> ;

-- Misner, "Quantum Cosmology" (*Physical Review* **186**, 1319—1327, 1969);

-- Misner, "Minisuperspace" (pp 441—473 in J. Klauder, ed., *Magic Without Magic---J. A. Wheeler 60th Anniversary Volume*, Freeman 1972);

-- Misner, "The Mixmaster Cosmological Metrics" (pp 317—328 in *Deterministic Chaos in General Relativity*, Hobill et al., eds., Plenum Press 1994);

-- Misner, van Meter and Fiske "Excising das All: Evolving Maxwell waves beyond scri" (Phys.Rev. **D74**, 064003, 2006), gr-qc/0603034

Students: Twenty-two Ph.D. students, of whom half became full professors in physics or mathematics, while several others had equally important positions.