CSULA Emeriti Faculty Biography

Name: Harold Cohen

Department: Physics and Astronomy

Academic rank: Professor

Year appointed: 1969 **Year retired**: 2006

City of residence: Cerritos, California

Email: twohco@yahoo.com

Birth Place: Newark, New Jersey

Birth Year: 1937 **Marital status**: Married

Spouse or partner's name: Helen Zhao Cohen

Family information: Three children. Lisa Hartwick, David Cohen, Allyson Cohen.

Colleges or Universities Attended:	**Year**	**Degree**
Rutgers University (Newark)	1955-59	B.A.
Rutgers University (New Brunswick)	1960-67	M.S., Ph.D.
Texas A&M University (Postdoc)	1967-69	

Teaching Experience:

Institution	**From**	**To**
Rutgers University	1960	1962
Texas A&M University	1968	1969
California State University, Los Angeles	1969	2006

Courses taught:
Introductory Physics, Introductory Astronomy, Mathematical Methods (undergraduate and graduate), Quantum Mechanics (graduate), Classical Mechanics (undergraduate)

Administrative, Business, or Professional Experience (other than teaching):

Agency or Company	**From**	**To**
Independent consulting	1979	1996
Research Associate, Stanford Linear Accelerator Center (Summers)	1974	1978

Citations of Selected Publications, Presentations and/or Creative Activities:

- *Mathematics for Scientists and Engineers* (Prentice-Hall, 1992).
- *Complex Analysis, with Applications in Science and Engineering* (Springer, 2007).
- *Numerical Approximation Methods* (Springer, 2011).
- "Various Approximations to the Bethe-Salpeter Equation," with A. Pagnamenta, *Physical Review* v. 181, No. 5, pp. 2098-2100, (1969).
- "Improvement of the Blankenbecler-Sugar Approximation," *Physical Review* D, v. 2, No. 8, pp. 1738-1741, (1970).

- "Accurate Numerical Solutions of Integral Equations with Kernels Containing Poles," *Journal of Computational Physics* v. 26, No. 3, pp. 257-276, (1978).
- "A Timing Circuit for Air Track Experiments," with D. Horvath, *American Journal of Physics* v. 56, No. 10, pp. 950-953 (1988).
- "Demonstrating Angular Momentum Conservation," with R. Carr and T. Ragsdale, *The Physics Teacher* v. 37, pp. 169-171 (1999).

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