

## **DETAIL OF PUBLICATIONS**

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Publication numbers (e.g., **J-12**) given in **boldface** are available from the author.

### **DISSERTATION**

- D-1.** Hicks, H. R., "Analysis of Deuteron Reactions Using Amplitudes with Anomalous Thresholds," Thesis, University of Illinois, Univ. Microfilms #71-21, 140 (1971).

### **EDITOR**

- E-1.** Served on the editorial committee for the Journal of Computational Physics for several years.
- E-2.** Served as the primary editor of four issues of the *Strategic Plan for Computing at Oak Ridge National Laboratory*
- E-3.** Served as the editor for 25 issues of *ORNL Computing News* (2 in 1995, 9 in 1994, 4 in 1993, 6 in 1992, 4 in 1991)

## JOURNAL ARTICLES

- J-1. Hicks, H. R. and Winternitz, P., "Relativistic Two-Variable Expansions for Three-Body Decay Amplitudes," *Phys. Rev. D* **4**, 2339 (1971).
- J-2. Miller, R., Novey, T. B., Yokosawa, A., Cutkosky, R. E., Hicks, H. R., Kelly, R. L., Shih, C. C., and Burleson, G., "Phase Shift Analysis of  $K^+p$  Scattering," *Nucl. Phys. B* **37**, 401 (1972).
- J-3. Hicks, H. R. and Winternitz, P., "Two-Variable Expansions and the  $K \rightarrow p$  Decays," *Phys. Rev. D* **5**, 2877 (1972).
- J-4. Deans, S. R., Jacobs, D. T., Lyons, P. W., and Hicks, H. R., "The Radiative Width of the  $S_{11}(1550)$  from a Study of  $\eta$  Photoproduction," *Particles and Nuclei* **3**, 217 (1972).
- J-5. Hicks, H. R. and Winternitz, P., "Harmonic Analysis on the Dalitz Plot and  $\eta \rightarrow 3\pi$  Decays," *Phys. Rev. D* **7**, 153 (1973).
- J-6. Hicks, H. R., Deans, S. R., Jacobs, D. T., Lyons, P. W., and Montgomery, D. L., "Isobar Analysis of  $\gamma p \rightarrow \eta p$ ," *Phys. Rev. D* **7**, 2614 (1973).
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- J-9. Hicks, H. R. and Wooten, J. W., "Linear and Nonlinear Ideal MHD Codes - VI03," *Comp. Phys. Comm.* **13**, 117 (1977).
- J-10. Jahns, Gary L., Soler, Mario, Waddell, Bruce V., Callen, James D., and Hicks, H. R., "Internal Disruptions in Tokamaks," *Nucl. Fusion* **18**, 609 (1978).
- J-11. Carreras, B., Waddell, B. V., Hicks, H. R., and Lynch, S. J., "Comments on 'Simulation of Large Magnetic Islands: A Possible Mechanism for a Major Tokamak Disruption,'" *Phys. Rev. A* **18**, 2732 (1978).
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- J-13. Waddell, B. V., Jahns, G. L., Callen, J. D., and Hicks, H. R., "Interpretation of Tokamak Sawtooth Oscillations," *Nucl. Fusion* **18**, 735 (1978).
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- J-60. V. E. Lynch, B. A. Carreras, D. del-Castillo-Negrete, K. M. Ferreira-Mejias, and H. R. Hicks, "Numerical Methods for the Solution of Partial Differential Equations of Fractional Order," Journal of Computational Physics **192**, 406 (2003).

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- R-19. Carreras, B., Hicks, H. R., and Lee, D. K., "Effects of Toroidal Coupling on the Stability of Tearing Modes," ORNL/TM-7281 (1980).
- R-20. Miller, R. L., Holmes, J. A., Fuller, G. M., Hicks, H. R., Peng, Y-K. M., Sager, P. H., and Yoshikawa, S., "Plasma Disruption Characteristics and Protection Requirements in ETF/INTOR," ETF-R-80-PS-025 (1980).
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year	Journals	Reports	Conferences	Memos
1967			1	
1968		1		
1969				
1970				
1971	1		3	
1972	3		4	
1973	3	1	2	
1974	1	2	4	
1975	0	3	6	
1976	0	1	6	1
1977	1	4	3	4
1978	5	5	10	10
1979	5	1	13	9
1980	2	4	7	10
1981	6	3	9	5
1982	4	4	6	6
1983	8	5	16	6
1984	6	5	12	4
1985	4	2	6	1
1986	6	4	3	
1987				
1988	1			
1989		1		
1990		1		
1991		1		
1992				
1993	1		1	
1994		1	2	
Totals	57	49	115	56

Hicks first author:

year	Journals	Reports	Conferences	Memos
1967				
1968				
1969				
1970				
1971	1		2	
1972	1		3	
1973	3			
1974			1	
1975			1	
1976		1	2	
1977	1	1	2	2
1978			4	3
1979			5	4
1980	1		2	5
1981	2	2	4	2
1982	1		1	2
1983			4	3
1984	3	1	1	1
1985	1		1	1
1986	1	1	1	
1987				
1988	1			
1989				
1990		1		
1991		1		
1992				
1993				
1994		1		
Totals	16	9	34	23

Missing info: J-31, J-51, R-32, R-42

