

**Archives – Oregon State University Libraries**

<http://osulibrary.oregonstate.edu/archives/>

**Rubin H. Landau Papers, 1966-2008**

**Preliminary Container List**

*Box 1*

Article Reprints and Conference Papers, 1971-2008 (in 8 file folders and two bound volumes)

Abstracts for Conference papers and Articles, 1982-1994

Biographical Materials and Doctoral Paperwork, 1968-1974

*Boxes 1-2*

Books:

*Box 1*

*Computational Physics: Problem Solving with Computers*, 2004; 2007 (first and revised Editions)

*Computational Physics*, 2001 (Japanese language version; 2 volumes)

*Box 2*

*A First Course in Scientific Computing: Symbolic, Graphic, and Numeric Modeling*, 2005

*Quantum Mechanics II: A Second Course in Quantum Theory*, 2004

*A Scientist's and Engineer's Guide to Workstations and Supercomputers*, 1993

*A Survey of Computational Physics*, 2008

*Boxes 2-3*

Correspondence

*Box 2*

Book Publishing, 1988-2003

General, 1973-1983

*Box 3*

General, 1984-2001

Job Searches, 1981-1984

OSU Computing, 1984 (Task Force on Large-Scale Computing)

OSU Physics Department, 1974

Sabbatical at IBM, 1988-1989

*Box 3*

Student Assessments of Teaching, 1991-1996

*Boxes 3-5*  
Presentations and Talks

*Boxes 5-8*  
Grant Proposals

*Boxes 8-10*  
Course Materials/Notebooks

*Box 8*  
Physics 201-203 (General Physics)  
Physics 211-212 (General Physics)

*Box 9*  
Physics 214/314 (Modern Physics)  
Physics 463/563 (Methods in Mathematical Physics)  
Physics 515 (Relativity)  
Physics 521-522 (Dynamics)  
Physics 567-569 (Advanced Quantum Theory)

*Box 10*  
Physics 567-569 (Advanced Quantum Theory)  
Physics 621 (Classical Dynamics)

*Boxes 10-13*  
Reference Materials/Paper Preparation

*Boxes 14-18*  
Research Notebooks

*Box 14*  
Landau's Doctoral and Pre-Thesis Research - (Subjects include: Meson-Deuteron Scattering; Glauber Scattering Theory; Coulomb and Nuclear Interference in Scattering; Regge Pole Research; Coulomb Wave Functions; Independent Particle Shell Model; Coulomb Energies in Nuclei)

*Box 15*  
Kaon-Proton Interactions  
Quarks  
Relativistic Heavy Ion Scattering  
Wave Packet Collision as Computed by Solving the Schroedinger Equation  
Calculation of Pion-Nucleon Interaction in the Chiral Color Dielectric Quark Model

*Box 16*  
Proton Scattering

*Box 17*  
Pion-Nucleus Scattering

*Box 18*  
Pion-Nucleus Scattering  
Anti Proton-Proton Interactions via Graz Potential  
Pion Heavy Nucleus in Bound States

Compact Discs (cds)

*Boxes 18-20*  
Computer Codes