Arcetri Library Classification System

Legenda:
SC=Central Room
LO=Loggiato
BA=Ballatoio
SO=Soppalco

1 – MATHEMATICS

1.1	Generality	[SC.a.1]
1.2	Basic Mathematics and Algebra	[SC.a.5]
1.3	Analysis and Differential Calculus	[SC.a.7]
1.4	Higher Analysis	[SC.a.9]
1.5	Geometry	[SC.a.14]
1.6*	Numerical Analysis and Statistics	
1.61	Numerical Analysis	[SC.a.16]
1.62	Statistics and Probabilities	[SC.a.19]
1.63	Least Squares Method	[SC.a.22]
1.7*	Numerical Tables	
1.71	Calculation Tables	[SC.a.23]
1.72	Logarithmic and Trigonomethric Tables	[SC.b.1]
1.73	Miscellanea	[SC.b.2]
1.8*	Computing Science	
1.81	Computing Science : Handbooks	[SC.b.4]
1.82	Mathematical Methods for Computing	[SC.b.5]
1.83	Operating Systems and Languages	[SC.b.5]
1.84	Hardware	[SC.b.5]
1.9	Astronomical Data Analysis	[SC.b.8

2 - PHYSICS

2.1*	Generality	
2.11	General Physics	[SC.b.10]
2.12	Education and Elementary Texts	[SC.b.14]
2.2*	Fundamental Theories	
2.21	Theoretical Physics	[SC.b.15]
2.22	Mathematical Physics	[SC.b.15]
2.23	Analytic Mechanics and Classical Theory of Fields	[SC.b.16]

2.24	Relativity and Classical Theories of Gravitation	[SC.c.1]
2.25	Quantum Mechanics	[SC.c.4]
2.26	Quantum Theory of Fields and Elementary Particles	[SC.c.5]
2.27	Quantum Theories of Gravitation	[SC.c.7]
2.3*	Classical Mechanics	
2.31	Classical Mechanics : General Interest Texts	[SC.c.9]
2.32	Elasticity and Mechanical Vibrations	[SC.c.11]
2.33	Fluid Mechanics and Mechanics of Continuum Media	[SC.c.12]
2.34	Waves,Instability, Fluid Turbulence	[SC.c.14]
2.35	Non linear Dynamics, Deterministic Chaos	[SC.c.15]
2.4*	Thermodynamics	
2.41	Thermodynamics and Physics Statistics	[SC.c.17]
2.42	Kinetic Physics and Non Equilibrium Thermodynamics	[SC.c.19]
2.5*	Electromagnetism	
2.51	Electromagnetism : General interest texts	[SC.c.20]
2.52	Electromagnetic waves and Optics	[SC.c.22]
2.53	Optical Instruments	[LO.a.1]
2.54	Magnetism	[LO.a.4]
2.55	Photometry and Sensors	[LO.a.5]
2.56	Radiation - Matter Interaction, Collisional Processes	[LO.a.8]
2.57	Radiative Transfer	[LO.a.8]
2.58	Non linear Optics, Laser, Maser	[LO.a.9]
2.6*	Structure of the matter, Atomic and Nuclear Physics	
2.61	Structure of the Matter, Atomic and Nuclear Physics :General interest texts	[LOa.11]
2.62	Spectroscopy	[LO.a.13]
2.63	Solid State Physics	[LO.a.16]
2.64	Atomic Physics	[LO.b.9]
2.65	Atomic Data	[LO.b.12]
2.66	Molecular Physics	[LO.b.15]
2.67	Molecular Data	[LO.b.17]
2.68	Nuclear Physics	[LO.b.18]
2.69	Phenomenology of Elementary Particles, Cosmic Rays	[Lo.b.19]
2.7*	Plasma Physics	
2.71	Plasma Physics : General interest texts	
2.72	Waves, Instability, Plasma Turbulence	[LO.b.23]
2.73	Magnetohydrodynamics	[LO.b.23]
2.74	Laboratory Plasmas	[LO.e.18]

3 - ASTRONOMY

3.1	Popular Astronomy	[SC.d.1]
3.15	Popular Astronomy	[SC.d.9]
3.16	Text Books	[SC.d.14]
3.2	Astronomy : General interest texts	[SC.e.1]
3.21	Astronomical Instruments	[SC.e.7]
3.3	Spherical Astronomy	[SC.e.9]
3.4	Practical Astronomy	[SC.e.11]
3.5	Theoretical Astronomy	[SC.e.13]
3.6	Celestial Mechanics	[SC.e.14]
3.7	Dynamics and Stellar Statistics	[SC.f.1]
3.8	Time Determination	[SC.f.4]
3.9	Astronomical Catalogs and Atlases	[SC.f.9]

4 - ASTROPHYSICS

4.1*	Generality	
4.1.1	Astrophysics : General interest texts	[SC.C.1]
4.1.2	Stellar Atmospheres	[SC.h.]
4.1.3*	Stellar Stucture and Stellar Evolution	[SC.h.5]
4.2	Radioastronomy	[SC.h.8]
4.3	Physics of the Planetary System	[SC.h.12]
4.4	Planets, Meteors, Comets	[SC.h.15]
4.43	Sun - Earth	[SC.c.17]
4.5	Sun: General	[SC.i.13]
4.51	Eclipses	[SC.j.3]
4.6	Stars	[SC.j.5]
4.7	Stellar Systems	[SC.j.14]
4.8	Interstellar Matter and Nebulae	[SC.j.18]
4.9	Cosmology	[SC.j.22]
4.91	Galaxy and Galaxies	[SC.k.2]

5 - GEOPHYSICS

5.51	Geophysics : Generality	[SC.k.10]
5.2	Geodesy	[SC.k.12]

5.3	Meteorology	[SC.k.12]
5.4	Atmosphere Physics	[SC.k.13]
5.5	Magnetism	[SC.k.16]

6 - HISTORY AND PHILOSOPHY OF SCIENCE

6.1	Galileo, Torricelli...	[LO.f.1]
6.2	History of Science : Classical Works	[LO.f.7]
6.3	History and Philosophy of Science : Generality	[LO.d.2]
6.4	History of Scientific Institutes	[LO.f.12]
6.5	Catalogs and Bibliographies	[LO.f.14]
6.6 *	Bibliographies	
6.61	Miscellanea	[LO.f.15]
6.62	Galileiana	[LO.e.1]
6.63	Galileiana : Miscellanea	[LO.e.4]
6.7	Philosophy of Science	[LO.e.6]
6.8*	Science and Society	
6.81	Science and Society : Generality	[LO.e.8]
6.82	Teaching Science	[LO.e.22]
6.83	Energy and Society	[LO.e.8]

7 - LANGUAGES, LAW, BIBLIOTECONOMY

7.1*	Grammar and Dictionaries	
7.1.1	Italian	[LO.b.1]
7.1.2	French	[LO.b.1]
7.1.3	Dutch	[LO.b.2]
7.1.4	English	[LO.b.2]
7.1.5	Russian	[LO.b.4]
7.1.6	Other languages	[LO.b.4]
7.2	Law, State Rules, University Rules	
7.2.1*	Law	
7.2.1.1	Codes	[SO.t.22]
7.2.1.2	Law, Rules, Staff	[SO.t.23]
7.2.1.3	Income Declaration	
7.2.1.4	Miscellaneous	
7.2.2*	Public Administration, Governement Rules	
7.2.2.1	Law	
7.2.2.3	Staff, Agreements	

7.2.2.4	Miscellaneous	
7.2.3 *	University Rules	
7.2.3.1	Rules - Law	[SO.t.24]
7.2.3.2	Administration	
7.2.3.3	Staff, Pay - Rules	
7.2.3.4	Research, Competitions - Fellows	
7.2.3.5	Miscellaneous	
7.3.1	List	[LO.b.5]
7.3.2	Annuals	
7.4*	Biblioteconomy	
7.4.1	Handbooks and Rules of Catalogin	[LO.b.6]
7.2	Essays	
7.4.3	Bibliographies and Catalogs	
7.5	Diplomas	[SO.k.7]

8 - INTERNATIONAL ORGANIZATIONS

8.43	Transactions/Highlights...IAU	[LO.k.16]

9 - COLLECTIONS

9.1	Handbuch der Physik	[LO.l.9]
9.2	I.A.U. Symposia	[Sc.l.11]

10 - SPACE RESEARCH

10.1	Space Research	[LO.c.5]
10.2	Astronautic	[LO.c.7]

11 - CHEMISTRY

12 - APPLIED PHYSICS, ENGINEERING, TECHNOLOGY

12.1*	Instrument Construction and Laboratory Technologies	
12.11	General	[LO.e.20]
12.12	Optics	[LO.e.21]
12.13	Infrared and Ultraviolet Radiation	[LO.e.9]
12.2*	Electronics	
12.21	Electronics : Generality	[LO.e.10]
12.22	Electronic Circuits, Systems	[LO.e.12]
12.23	Microwave Electronics and Radio Waves	[LO.e.14]

12.24	Noise	[LO.d.11]
12.25	Antennas and Wave Guides	[LO.d.11]
12.26	Radar, Telecomunications, Telemetry	[LO.d.17]
12.27	Control Systems	[LO.d.18]
12.3	Engineering: Mechanic, Thermic, Hydraulic, Civil	[LO.d.4]
12.4	Technology and Techniques of Photography	[SO.t.33]
12.5	Electronics and Techniques of Illumination	[SO.d.4]
12.6	Engineering Works and Carpentry	[LO.d.5]

13 - IMAGE PROCESSING [LO.d.21]

14 - VARIOUS

14.1	Biology, Phisiology, Psicology	[LO.d.7]
14.2	Arts	[SO.d.8]