

Serials Cancellation Project 1997 Mathematics Research Library Titles

Target=\$14,172-\$17,550 in biennial dollars

In her September 19, 1997 letter to faculty, UW Libraries Director Betty Bengston has informed you that the Libraries' materials budget has been underfunded for inflation this 1997/99 biennium. This translates into an approximately 5% cut for all disciplines. The journal and monographic series titles listed below have been chosen for cancellation in consultation with faculty liaisons and the library committee to meet Math/Stat/Amath's target of approximately \$14,172 in biennial savings plus some extra to cover purchases of some of the series monographs.

The journals list is arranged alphabetically. The monographic series list includes price per volume. This is our final list (10/27/97).

Journal Title				
Publisher				
1997 price	5 years use	Price/Use	Pg./Yr.	Biennial Savings

Bulletin Informatics Cybernetics, 1982- Res. Assn. Stat.	2	\$280	152	\$206
Communications Statistics Stochastic Models Dekker	48	\$57	662	\$1094
			740 in 1996	
Differential Integral Equations, 1988- Khayyam	27	\$125	1715	\$1342
			1959 in 1996	
Funkcialaj Ekvacioj, 1958- Math. Soc. Japan	13	\$91	547	\$474
			568 in 1995	
Georgian Mathematical Journal, 1994- Plenum	26	\$42	547	\$434
Numerical Functional Analysis Optimization, 1979- Dekker	40	\$110	711	\$1662
			1091 in 1996	
Potential Analysis, 1992-				

Journal Title	Publisher	1997 price	5 years use	Price/Use	Pg./Yr.	Biennial Savings
Kluwer		\$528	27	\$98	422	\$985
					625 in 1996	
Rivista Matematica Pura Applicata, 1987-	Aviani	\$155	11	\$71	226	\$155
Statistical Papers/Statistische Hefte, 1985-	Springer	\$312	31	\$50	374	\$534
					385 in 1996	
TOTAL journals						\$6886

BOOK SERIES--CANCEL SUBSCRIPTIONS. We can still buy individual volumes, but cancellation only makes sense if we don't plan to buy many of the volumes. However, the Elsevier series are so expensive per volume, that title by title review is warranted in any case.

Title	Publisher	Average cost per volume	Biennial Savings
Average circ. per volume for recent vols.			
<i>Sample of recent titles in series</i>			

LECTURE NOTES IN PURE AND APPLIED MATHEMATICS

Dekker
 \$158/vol. \$3312
circ is 1.5/v. for recent vols.

<i>P-adic functional analysis : proceedings of the fo</i>	1997
<i>Mostly finite geometries : in celebration of T.G.</i>	1997
<i>Spectral theory and computational methods of Sturm</i>	1997
<i>Factorization in integral domains</i>	1997
<i>Partial differential equation methods in control a</i>	1997
<i>Complexity, logic, and recursion theory.</i>	1997
<i>Stochastic processes and functional analysis : in</i>	1997
<i>Commutative ring theory : proceedings of the II in</i>	1997
<i>Matrix-analytic methods in stochastic models.</i>	1997
<i>Abelian groups and modules : proceedings of the in</i>	1996
<i>Rings, groups, and algebras.</i>	1996
<i>Logic and algebra.</i>	1996
<i>Moduli of vector bundles.</i>	1996
<i>Theory and applications of nonlinear operators of</i>	1996
<i>Partial differential equations and applications :</i>	1996

Title
 Publisher
 Average cost per volume Biennial Savings
Average circ. per volume for recent vols.
Sample of recent titles in series

MATHEMATICAL RESEARCH

Akad.Verlag
 \$77/vol. \$1301
circ is 1.9/v. for recent vols.

Uncertainty : models and measures : proceedings of 1997
Differential equations, asymptotic analysis, and m 1997
Gosson, Maurice.Maslov classes, metaplectic represent 1997
Popivanov, Pete.Degenerate oblique derivative problem 1997
Ali Mehmeti, Fe.Transient tunnel effect and Sommerfeld 1996
Boggiatto, Paol.Global hypoellipticity and spectral th 1996
Parcella '96 : proceedings of the VII. Internation 1996
IMACS-GAMM Inte.Numerical methods and error bounds : pr 1996
Weiss, Rudiger.Parameter-free iterative linear solvers. 1996
Fleige, Andreas.Spectral theory of indefinite Krein-Fel 1996
Jacob, Niels.Pseudo-differential operators and Markov 1996
Walz, Guido.Asymptotics and extrapolation. 1996
Scientific computing and validated numerics : proc 1996
ICIAM 95 : proceedings of the Third International 1996

MATHEMATICS EDUCATION LIBRARY

Kluwer
 \$131/vol. \$657
circ is 1.3/v. for recent vols.

Noss, Richard.Windows on mathematical meanings : lear 1996
Skovsmose, Ole.Towards a philosophy of critical mathema 1994
Approaches to algebra : perspectives for research 1996
Mathematics for tomorrow's young children. 1996
Didactics of mathematics as a scientific disciplin 1994
Cultural perspectives on the mathematics classroom 1994
Chance encounters : probability in education. 1991
Advanced mathematical thinking. 1991
Radical constructivism in mathematics education. 1991
Mathematical knowledge : its growth through teachi 1991

Title
 Publisher
 Average cost per volume Biennial Savings
Average circ. per volume for recent vols.
Sample of recent titles in series

MONOGRAPHS AND TEXTBOOKS IN PURE AND APPLIED MATH

Dekker
 \$152/vol. \$2591
circ is 5.3/v. for recent vols.

Zhang, Cun-Quan. Integer flows and cycle covers of g 1997
Spiegel, Eugene. Incidence algebras. 1997
Geometry and physics : proceedings of the conferen 1997
Tanabe, Hiroki. Functional analytic methods for partial 1997
Fontana, Marco. Prufer domains. 1997
Michel, Anthony. Qualitative theory of dynamical sys 1995
Sierksma, Gerard. Linear and integer programming : the 1996
Redmond, Don. Number theory : an introduction. 1996
Bueso, J. L. Compatibility, stability, and sheaves. 1995
Beem, John K. Global Lorentzian geometry. 1996
Sima, Vasile. Algorithms for linear-quadratic optimiza 1996
Lasser, Rupert. Introduction to Fourier series. 1996
Beidar, K. I. Rings with generalized identities. 1995
Arnautov, V. I. Introduction to the theory of topolog 1996

NORTH HOLLAND MATHEMATICAL LIBRARY

Elsevier
 \$174/vol. \$174
circ is 4/v. for recent vols.

Cohen, Gerard. Covering codes. 1997
Chigogidze, A. Inverse spectra. 1996

NORTH HOLLAND MATHEMATICS STUDIES

Elsevier
 \$259/vol. \$259
circ is 1.5/v. for recent vols.

Goodaire, Edgar. Alternative loop rings. 1996
Oberguggenberge. Solution of continuous nonlinear PDE 1994
Karpilovsky, Gregory. Group representations 1992-

OPERATOR THEORY, ADVANCES AND APPLICATIONS

Birkhauser
 \$126/vol. \$2020
circ is 1.5/v. for recent vols.

Sakhnovich, L. Integral equations with difference kern 1996
Antonevich, A. Linear functional equations. Operat 1996
Upmeyer, Harald. Toeplitz operators and index theory i 1996
Egorov, IU. V. Pseudo-differential operators, singu 1997

Title
 Publisher
 Average cost per volume Biennial Savings
Average circ. per volume for recent vols.
Sample of recent titles in series

Kadets, M. I. Series in Banach spaces : conditional a 1997
Shklyar, Alexan. Complete second order linear differen 1997
Skubachevskii. Elliptic functional differential equat 1997
Egorov, IU. V. On spectral theory of elliptic operators. 1996
Singular integral operators and related topics : j 1996
Neerven, Jan van. Asymptotic behaviour of semigroups 1996
Constantinescu. Schur parameters, factorization, a 1996
Berezanskii, IU. Functional analysis. 1996
Gohberg, I. Partially specified matrices and operat 1995

STATISTICS: TEXTBOOKS AND MONOGRAPHS

Dekker
 \$116/vol. \$1046
circ is 5.1/v. for recent vols.

Vonesh, Edward. Linear and nonlinear models for the ana 1997
Statistics of quality. 1997
Khuri, Andre I. Response surfaces : designs and analyses. 1996
Bayesian biostatistics. 1996
Patel, Jagdish. Handbook of the normal distribution. 1996
Giri, Narayan. Multivariate statistical analysis. 1996
Som, Ranjan Kum. Practical sampling techniques. 1996

TOTAL monograph series titles \$11,360

TOTAL proposed titles \$18,246