

**THE UNIVERSITY OF BRITISH COLUMBIA**

**PUBLICATIONS RECORD**

**NAME IN FULL** (surname first): DIEWERT, Walter Erwin

**FACULTY:** Arts

**DEPARTMENT OR SCHOOL:** Economics

(Complete two copies according to the following categories):

Date of most recent revision (please initial)

Oct. 13/11 \_\_\_\_\_

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- a) Publications or original works (including books, performances, films, exhibitions, etc.). List in proper bibliographical form according to the discipline including title and pagination, and indicate with an asterisk those you consider of primary importance. Include only those published or in press. Work appearing in refereed publications should either be identified by an <sup>R</sup> in the left hand margin beside the bibliographical entry or by separate listing under the heading: Refereed Publications.

Example 1:

<sup>R</sup>Faiman, M.D., Nolan, R.J. "Effect of High Oxygen Pressure on Brain ATP", *Biochem. Pharmacol.* 22:2171-2181 (1973)

Example 2:

\*Dubos, Rene, "Man Adapting", Yale University Press, New Haven Connecticut, 1965, 300 pages.

- b) Completed and unpublished material including Commission Reports, Discussion Papers or similar materials (include only those of significance; if paper read at a conference, indicate date and nature of conference as well as status of other material).
- c) Work in progress (indicate degree of completion at the time of last updating of curriculum vitae).

a) Publications or original works: Journal Articles

\*1 "An Application of the Shephard Duality Theorem: A Generalized Leontief Production Function," *The Journal of Political Economy* 79:3 (May-June 1971), pp. 481-507.

2 "A Note on the Elasticity of Derived Demand in the N Factor Case," *Economica* 38 (May 1971), pp. 192-198.

\*3 "Afriat and Revealed Preference Theory," *Review of Economic Studies* 40:3 (July 1973), pp. 419-425.

4 "On a Theorem of Negishi," *Metroeconomica* 25:2 (May-August 1973), pp. 119-135.

- \*5 "Functional Forms for Profit and Transformation Functions," *Journal of Economic Theory* 6:3 (June 1973), pp. 284-316.
- \*6 "Functional Forms for Revenue and Factor Requirements Functions," *International Economic Review* 15:1 (February 1974), pp. 119-130.
- 7 "A Note on Aggregation and Elasticities of Substitution," *Canadian Journal of Economics* 7:1 (February 1974), pp. 12-20.
- \*8 "Intertemporal Consumer Theory and the Demand for Durables," *Econometrica* 42:3 (May 1974), pp. 497-516.
- \*9 "The Effects of Unionization on Wages and Employment: A General Equilibrium Analysis," *Economic Inquiry* 12:3 (September 1974), pp. 319-339.
- \*10 "Unions in a General Equilibrium Model," *Canadian Journal of Economics* 7:3 (August 1974), pp. 475-495.
- \*11 "The Samuelson Nonsubstitution Theorem and the Computation of Equilibrium Prices," *Econometrica* 43:1 (January 1975), pp. 57-64.
- \*12 "Harberger's Welfare Indicator and Revealed Preference Theory," *The American Economic Review* 66:1 (March 1976), pp. 143-152.
- \*13 "Exact and Superlative Index Numbers," *Journal of Econometrics* 4:2 (June 1976), pp. 114-145.
- \*14 "Frank Knight's Theorem in Linear Programming Revisited," *Econometrica* 45:2 (March 1977), pp. 375-398, (with A.D. Woodland).
- \*15 "Generalized Slutsky Conditions for Aggregate Consumer Demand Functions," *Journal of Economic Theory* 15:2 (August 1977), pp. 353-362.
- \*16 "Flexible Functional Forms and Expenditure Distributions: An Application to Canadian Consumer Demand Functions," *International Economic Review* 18:3 (October 1977), pp. 551-576, (with E.R. Berndt and M.N. Darrough).
- \*17 "Optimal Tax Perturbations," *Journal of Public Economics* 10 (1978), pp. 138-177.
- \*18 "Superlative Index Numbers and Consistency in Aggregation," *Econometrica* 46:4 (July 1978), pp. 883-900.
- \*19 "Expenditure Functions, Local Duality, and Second Order Approximations," *Econometrica* 47 (May 1979), pp. 579-601, (with C. Blackorby).
- \*20 "Symmetry Conditions for Market Demand Functions," *The Review of Economic Studies* 47 (1980), pp. 595-601.
- \*21 "Capital and the Theory of Productivity Measurement," *American Economic Review* 70 (1980), pp. 260-267.
- \*22 "The Elasticity of Derived Net Supply and a Generalized Le Chatelier Principle," *The Review of Economic Studies* 48 (1981), pp. 63-80.
- \*23 "The Comparative Statics of Industry Long-Run Equilibrium," *Canadian Journal of Economics* 14 (1981), pp. 78-92.

- \*24 "Direct Versus Implicit Superlative Index Number Formulae," *The Review of Economics and Statistics* VOL. LXIII, No. 3 (August 1981), pp. 430-435, (with R.C. Allen).
- \*25 "The Measurement of Deadweight Loss Revisited," *Econometrica* 49:5 (September 1981), pp. 1225-1244.
- \*26 "Nine Kinds of Quasiconcavity and Concavity," *Journal of Economic Theory* 25:3 (December 1981), pp. 397-420, (with M. Avriel and I. Zang).
- \*27 "Multilateral Comparisons of Output, Input and Productivity using Superlative Index Numbers," *The Economic Journal* 92 (March 1982), pp. 73-86, (with D.W. Caves and L.R. Christensen).
- \*28 "The Economic Theory of Index Numbers and the Measurement of Input, Output, and Productivity," *Econometrica* 50 (November 1982), pp. 1392-1414, (with D.W. Caves and L.R. Christensen).
- 29 "The Decomposition of Frontier Cost Function Deviations into Measures of Technical and Allocative Efficiency," *Journal of Econometrics* 19 (1982), pp. 319-331, (with R.J. Kopp).
- 30 "The Duality Implications of a Concave Aggregator Function," *Economic Letters* 11 (1983), pp. 197-201.
- \*31 "The Measurement of Waste Within the Production Sector of an Open Economy," *Scandinavian Journal of Economics* 85:2 (1983), pp. 159-179.
- \*32 "Cost-Benefit Analysis and Project Evaluation: A Comparison of Alternative Approaches," *Journal of Public Economics* 22:3 (December 1983), pp. 265-302.
- \*33 "Sensitivity Analysis in Economics," *Computers and Operations Research* 11:2 (1984), pp. 141-156.
- \*34 "The Measurement of Deadweight Loss in an Open Economy," *Economica* 51:1 (1984), pp. 23-42.
- 35 "Consumption Theorems in Terms of Over and Under Compensation Revisited," *International Economic Review* 25 (June 1984), pp. 379-384, (with L.E. Edlefsen).
- \*36 "A Dynamic Approach to the Measurement of Waste in an Open Economy," *Journal of International Economics* 19 (1985), pp. 213-240.
- \*37 "Tests for the Consistency of Consumer Data," *Journal of Econometrics* 30 (1985), pp. 127-147, (with C. Parkan).
- \*38 "Adjusting Output and Productivity Indexes for Changes in the Terms of Trade," *The Economic Journal* 96 (September 1986), pp. 659-679, (with C.J. Morrison).
- \*39 "Flexible Functional Forms and Global Curvature Conditions," *Econometrica* 55 (January 1987), pp. 43-68, (with T.J. Wales).
- \*40 "The Effects of an Innovation: A Trade Theory Approach," *The Canadian Journal of Economics* 20 (November 1987), pp. 694-714.

- \*41 "A Normalized Quadratic Semiflexible Functional Form," *Journal of Econometrics* 37 (March 1988), pp. 327-342, (with T.J. Wales).
- \*42 "On Tax Reform," *The Canadian Journal of Economics* 21 (February 1988), pp. 1-40.
- \*43 "Normalized Quadratic Systems of Consumer Demand Functions," *Journal of Business and Economic Statistics* 6 (July 1988), pp. 303-312, (with T.J. Wales).
- \*44 "Productivity and Pareto Improving Changes in Taxes and Tariffs," *Review of Economic Studies* 56 (April 1989), pp. 199-216, (with A.H. Turunen-Red and A.D. Woodland).
- \*45 "New Techniques in the Measurement of Multifactor Productivity," *The Journal of Productivity Analysis* 1 (1990), pp. 265-285, (with C.J. Morrison).
- \*46 "Tariff Reform in a Small Open Multi-Household Economy with Domestic Distortions and Nontraded Goods," *International Economic Review* 32 (November 1991), pp. 937-957, (with A.H. Turenen-Red and A.D. Woodland).
- \*47 "The Measurement of Productivity," *Bulletin of Economic Research* 44:3 (1992), pp. 163-198.
- \*48 "Fisher Ideal Output, Input, and Productivity Indexes Revisited," *Journal of Productivity Analysis* 3 (1992), pp. 211-248.
- \*49 "Exact and Superlative Welfare Change Indicators," *Economic Inquiry* Vol. XXX, (October 1992), pp. 565-582.
- \*50 "Quadratic Spline Models For Producer's Supply and Demand Functions," *International Economic Review* 33:3 (August 1992), pp. 705-722, (with T.J. Wales).
- \*51 "Linear and Quadratic Spline Models For Consumer Demand Functions," *Canadian Journal of Economics* 26 (1993), pp. 77-106, (with T.J. Wales).
- \*52 "Productivity Measurement for a Distribution Firm," *The Journal of Productivity Analysis* 5 (1994), pp. 335-347, (with A.M. Smith).
- \*53 "Flexible Functional Forms and Tests of Homogeneous Separability," *Journal of Econometrics* 67 (1995), pp. 259-302, (with T.J. Wales).
- \*54 "Functional Form Problems in Modeling Insurance and Gambling," *The Geneva Papers on Risk and Insurance Theory* 20 (1995), pp.135-150.
- 55 "New Zealand's Excess Burden of Tax," *Agenda A Journal of Policy Analysis and Reform* Vol. 2:1 (1995), pp. 27-34, (with D.A. Lawrence).
- \*56 "The Deadweight Costs of Taxation in New Zealand", *Canadian Journal of Economics* 29 (April 1996), pp. S658-S673, (with D.A. Lawrence).
- 57 "Comment on CPI Biases", *Business Economics*, Vol. 31:2 (April 1996), pp. 30-35.
- 58 "Can Canada Afford to Spend Less on National Statistics?", *Canadian Business of Economics* Vol. 4:3 (1996), pp. 33-34, (with A. Nakamura).
- 59 "The CPI Commission: Discussion", *American Economic Review* Vol. 87:2 (May 1997), pp. 95-98.

- \*60 Commentary on Mathew D. Shapiro and David W. Wilcox, "Alternative Strategies for Aggregating Price in the CPI", *The Federal Reserve Bank of St. Louis Review* Vol. 79:3 (May/June 1997), pp. 127-137.
- \*61 "Index Number Issues in the Consumer Price Index", *The Journal of Economic Perspectives* Vol. 12:1 (1998), pp. 47-58.
- \*62 "High Inflation, Seasonal Commodities and Annual Index Numbers", *Macroeconomic Dynamics* Vol. 2 (1998), pp. 456-471.
- 63 "The Measurement of Inflation after Tax Reform", *Economics Letters* 61 (1998), pp. 279-284, (with K.J. Fox).
- 64 "Roll Back the EI Payroll Tax", *Policy Options* Vol. 19:10 (December 1998), pp. 37-39, (with A.O. Nakamura).
- 65 "The High Costs of Capital Taxation in Australia", *Agenda: A Journal of Policy Analysis and Reform* Agenda 5:1 (1998), pp. 355-361, (with D.A. Lawrence).
- 66 "Introduction and Overview", *Canadian Journal of Economics* 33:2 (April 1999), pp. 3-15, (with A.O. Nakamura and A. Sharpe).
- \*67 "Can Measurement Error Explain the Productivity Paradox?", *Canadian Journal of Economics* 32:2 (April 1999), pp. 251-280, (with K.J. Fox).
- \*68 "Benchmarking and the Measurement of Best Practice Efficiency: An Electricity Generation Application", *Canadian Journal of Economics* 32:2 (April 1999), pp. 570-588, (with A.O. Nakamura).
- \*69 "Index Number Approaches to Seasonal Adjustment", *Macroeconomic Dynamics* 3 (1999), pp. 1-21.
- \*70 "Incentive Indexes for Regulated Industries", *Journal of Regulatory Economics* 17:1 (2000), pp. 5-24, (with K.J. Fox).
- 71 "Price Index Research in the Coming Decades: Conference Report", *Monthly Labour Review*, Bureau of Labor Statistics, U.S. Department of Labour, (September 2000), pp. 31-36, (with K. Abraham, E. Berndt, Z. Griliches, B. Moulton, C. Schultze, and J. Triplett).
- 72 "The Challenge of Total Factor Productivity Measurement", *The International Productivity Monitor*, Ottawa (2000).
- 73 "A Characterization of the Törnqvist Price Index", *Economic Letters* 72 (2001), pp. 279-281, (with B.M. Balk).
- 74 Commentary on "Research on Price Index Measurement: Agendas for the Next Twenty Years" Ernst R. Berndt (ed.), *Journal of Economic and Social Measurement* 27, (2001), pp. 105-116.
- \*75 "The Consumer Price Index and Index Number Purpose", *Journal of Economic and Social Measurement* 27, (2001), pp. 167-248.
- 76 "Additive Decompositions for Fisher, Törnqvist and Geometric Mean Indexes", *Journal of Economic and Social Measurement* 28 (2002) pp. 51-61, (with M.B. Reinsdorf and C. Ehemann).

- \*77 “The Quadratic Approximation Lemma and Decompositions of Superlative Indexes”, *Journal of Economic and Social Measurement* 28 (2002), pp. 63-88.
- \*78 “Harmonized Indexes of Consumer Prices: Their Conceptual Foundations”, *Swiss Journal of Economics and Statistics*, Vol. 138:4, (2002), pp. 547-637.
- \*79 “Index Number Concepts, Measures and Decompositions of Productivity Growth”, *Journal of Productivity Analysis*, Vol. 19, (2003), pp. 127-159, (with A.O. Nakamura).
- 80 “Information Failure as an Alternative Explanation of Under Investment in R & D”, *Journal of Managerial Decision Economics*, Vol. 24 (2003), pp. 231-239, (with A.O. Nakamura and P. Tiessen).
- \*81 “The Gains from Trade and Policy Reform Revisited”, *Review of International Economics*, 12(4) (with Alan D. Woodland), (2004), pp. 591-608.
- 82 “Why We Need a Return to Experience Rating in EI”, *Fraser Forum*, (February 2004), pp. 10-12 (with A.O. Nakamura).
- 83 “Identifying Outliers in Multi-Output Models”, *Journal of Productivity Analysis*, 22, (Kevin J. Fox and Robert J. Hill), (2004), pp. 73-94.
- 84 “Progress in Service Sector Productivity Measurement: Review Article on Productivity in the U.S. Services Sector: New Sources of Economic Growth by Jack E. Triplett and Barry P. Bosworth”, *International Productivity Monitor*, Number 11, Center for the Study of Living Standards, (Fall 2005), pp. 57-69.
- \*85 “Index Number Theory Using Differences Rather Than Ratios”, *The American Journal of Economics and Sociology*, Blackwell Publishing, Volume 64, Number 1 (January 2005), pp. 311-360.
- \*86 “Weighted Country Product Dummy Variable Regressions and Index Number Formulae”, *The Review of Income and Wealth*, Series 51, Number 4, (December 2005), pp. 561-571.
- \*87 “Who Benefits from Economic Reform: The Contribution of Productivity, Price Changes and Firm Size to Profitability”, *Journal of Productivity Analysis*, (with Denis A. Lawrence and Kevin J. Fox), Vol. 26, (2006), 13 pp.
- 88 “Adjacent Period Dummy Variable Hedonic Regressions and Bilateral Index Number Theory, in *Annales D’Économie et de Statistique*, No. 79/80, (2006), 28 pp.
- 89 “Productivity Measures and Sustainable Prosperity”, (with Alice O. Nakamura), *Seoul Journal of Economics*, Vol. 20, Number 1, (2007), pp. 93-128
- 90 “What Is To Be Done For Better Productivity Measurement”, in *International Productivity Monitor*, Number 16, (Spring 2008), pp. 40-52.
- 91 “New Methodology for Linking Regional PPS”, in *ICP (International Comparison Program) Bulletin*, Volume 5, No. 2, (August 2008), pp. 1, 10-22 and 45.
- 92 “On the Estimation of Returns to Scale, Technical Progress and Monopolistic Markups”, (with Kevin J. Fox), *Journal of Econometrics*, Vol. 145, (2008), pp. 174-193.
- 93 “Retrospective Price Indices and Substitution Bias”, (with Marco Huwiler and Ulrich Kohli), *Swiss Journal of Economics and Statistics*, Vol. 145(20), (2009), pp. 127-135.

- 94 “The Aggregation of Capital over Vintages in a Model of Embodied Technical Progress”, *Journal of Productivity Analysis*, Vol. 32:1, (2009), pp. 1-19.
- 95 “Introduction to Measurement with Theory”, (with William A. Barnett and Arnold Zellner), *Macroeconomic Dynamics*, 13 (Supplement 2), (2009), pp. 151-168.
- 96 “Exact and Superlative Price and Quantity Indicators”, (with Hideyuki Mizobuchi), *Macroeconomic Dynamics*, 13 (Supplement 2), (2009), pp. 335-380.
- 97 “The Housing Bubble and a New Approach and a New Approach to Accounting for Housing in a CPI”, (with Alice O. Nakamura and Leonard I. Nakamura) *Journal of Housing Economics* 18:3, (2009), pp. 156-171.
- 98 “New Methodological Developments for the International Comparison Program”, *Review of Income and Wealth*, 56 (Special Issue 1), (2010), pp. S11-31.
- 99 “Understanding PPPs and PPP-based National Accounts”, *American Economic Journal: Macroeconomics* 2, (October 2010); pp. 36-45.
- 100 “User Costs versus Waiting Services and Depreciation in a Model of Production”, *Journal of Economics and Statistics*, Vol. 230/6, Stuttgart, Germany (December 2010), pp. 759-771.
- 101 “Notes on Unit Value Index Bias”, (with Peter von der Lippe), *Journal of Economics and Statistics*, Vol. 230/6, Stuttgart, Germany (December 2010), pp. 690-708.
- 102 “Malmquist and Törnqvist Productivity Indexes: Returns to Scale and Technical Progress with Imperfect Competition”, (with K.J. Fox), *Journal of Economics*, Vol. 101, pp. 73-95S.
- 103 “Index Number Theory and Price Statistics”, (editor with Peter M. von der Lippe), *Journal of Economics and Statistics*, Vol., 230/6, Stuttgart, Germany, (December 2010), pp. 840.
- 104 “Introduction to Measurement with Theory”, in *Measurement With Theory*, (editor with William A. Barnett and Arnold Zellner), *Journal of Econometrics*, Vol. 161, Elsevier, (March 2011), pp. 1-5.
- 105 “Estimation of R&D Depreciation Rates: A Suggested Methodology and Preliminary Application”, (with Ning Huang), *Canadian Journal of Economics*, Vol. 44, No. 2 (May 2011), pp. 387-412.
- 106 “Returns to Scale: Concept, Estimation, and Analysis of Japan’s Turbulent 1964-88 Economy”, (with Takanobu Nakajima, Alice Nakamura, Emi Nakamura, and Masao Nakamura), *Canadian Journal of Economics*, Vol. 44, No. 2 (May 2011), pp. 451-485.
- 107 “Capitalizing R&D Expenditures”, (with Ning Huang), *Macroeconomic Dynamics*, Vol. 15, Issue 04, Cambridge University Press, (2011), pp. 537-564.
- 108 “Scanner Data, Time Aggregation and the Construction of Prices Indexes”, (with K.J. Fox and L. Ivancic), *Journal of Econometrics*, Volume 161 (1), (2011), pp. 24-35.

a) Publications: Books

- 1 *Price Level Measurement: Proceedings from a Conference Sponsored by Statistics Canada*, editor (with C. Montmarquette), Ottawa: Statistics Canada, (December 1983), 1179 pp.
- 2 *The Measurement of the Economic Benefits of Infrastructure Services*, Lecture Notes in Economics and Mathematical Systems, Springer-Verlag, Berlin, (1988), 202 pp.

- 3 *Generalized Concavity*, (with M. Avriel, S. Schaible and I. Zang), New York: Plenum Press, (1988), pp. 332.
- 4 *Price Level Measurement* (editor), Contributions to Economic Analysis 196, Amsterdam: North-Holland, (1990), 377 pp. (This is a shrunken version of book 1 listed above).
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- 6 *Mathematical Modelling In Economics*, Essays in Honor of Wolfgang Eichhorn, editor (with K. Spremann and F. Stehling), Springer-Verlag, Berlin, (1993), 713 pp.
- 7 *The Marginal Costs of Taxation in New Zealand*, Canberra: Swan Consultants, (March 1994), 123 pp. (with D.A. Lawrence).
- 8 *International Trade Price Indexes and Seasonal Commodities*, editor (with W. Alterman and R.C. Feenstra), Washington: DC, U.S. Department of Labor, Bureau of Labor Statistics, (1999), pp. 247.
- 9 *Generalized Concavity*, editor (with M. Avriel, S. Schaible and I. Zang), *SIAM, Classics in Applied Mathematics*, Vol. 63, Philadelphia, (2010), pp. 332.

a) Publications: Government Publications and Contributions to Books

- 1 "Canadian Labour Markets: A Neoclassical Econometric Approach," Research Branch, Department of Manpower and Immigration, Ottawa, Ontario (1968), 86 pp.
- 2 "Comments on Lerner and Kierans," in *Perspectives on the Wage-Price-Unemployment Problems: Stop the Market, I Want to Get Off*, V.F. Mitchell and W.T. Stanbury (eds.), Versatile Publishing Co., (1972) pp. 167-170.
- 3 "Separability and a Generalization of the Cobb-Douglas Cost, Production and Indirect Utility Functions," Research Branch, Department of Manpower and Immigration, Ottawa, (January 1973), 44 pp.
- \*4 "Applications of Duality Theory," in *Frontiers of Quantitative Economics* Vol. II, edited by M. Intriligator and D. Kendrick, North-Holland, Amsterdam, (1974), pp. 106-171.
- \*5 "Annual Employment, Industry by Occupation in Canada, 1926-1965 on a Labour Force Survey Basis," Research Projects Group, Department of Manpower and Immigration, Ottawa, Ontario, (March 1975), 42 pp. (with A.D. Woodland).
- 6 "Annual Employment, Industry by Occupation in Canada, 1926-1974 on an Employment Survey Basis and Estimates of Occupational Earnings," Research Projects Group, Department of Manpower and Immigration, Ottawa, Ontario (1975), 206 pp.
- \*7 "Walras' Theory of Capital Formation and the Existence of a Temporary Equilibrium," in *Equilibrium and Disequilibrium in Economic Theory*, E. Schwödiauer, editor, Reidel Publishing Co., (1977), pp. 73-126.
- \*8 "Hicks' Aggregation Theorem and the Existence of a Real Value Added Function," Research Projects Group, Department of Manpower and Immigration, Ottawa, Ontario, (August 1976), pp. 17-51, Vol. 2, in *Production Economics: A Dual Approach to Theory and Applications*, M. Fuss and D. McFadden, editors, North-Holland, Amsterdam, (1978).

- \*9 "Aggregation Problems in the Measurement of Capital," in *The Measurement of Capital*, edited by D. Usher, Studies in Income and Wealth, Vol. 45, National Bureau of Economics Research, University of Chicago Press, Chicago, (1980), pp. 433-528.
- \*10 "The Economic Theory of Index Numbers: A Survey," in *Essays in the Theory and Measurement of Consumer Behaviour in Honour of Sir Richard Stone*, edited by A. Deaton, Cambridge University Press, Cambridge, England, (1981), pp. 163-208.
- \*11 "The Theory of Total Factor Productivity Measurement in Regulated Industries," in *Productivity Measurement in Regulated Industries*, edited by T. Cowing and R. Stevenson, Academic Press, New York, (1981), pp. 17-44.
- \*12 "Introduction to Concave and Generalized Concave Functions," in *Generalized Concavity in Optimization and Economics*, editors S. Schaible and W.T. Ziemba, Academic Press, New York, (1981), pp. 20-50 (with M. Avriel, S. Schaible and W.T. Ziemba).
- \*13 "Generalized Concavity and Economics," in *Generalized Concavity in Optimization and Economics*, editors S. Schaible and W.T. Ziemba, Academic Press, New York, (1981), pp. 511-541.
- \*14 "Alternative Characterizations of Six Kinds of Quasiconcavity in the Nondifferentiable Case with Applications to Nonsmooth Programming," in *Generalized Concavity in Optimization and Economics*, editors S. Schaible and W.T. Ziemba, Academic Press, New York, (1981), pp. 51-93.
- \*15 "On Measuring the Loss of Output Due to Nonneutral Business Taxation," in *Depreciation, Inflation, and the Taxation of Income from Capital*, editor C.R. Hulten, The Urban Institute Press, Washington, DC, (1981), pp. 57-80.
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- \*17 "The Comparative Dynamics of Efficient Programs of Capital Accumulation and Resource Depletion," (with T.R. Lewis), in *Economic Theory of Natural Resources*, editors, W. Eichhorn, R. Henn, K. Neumann, R.W. Shephard, Wien: Physica-Verlag, (1982) pp. 301-325.
- \*18 "Linear Programming Tests of Regularity Conditions for Production Functions," (with C. Parkan), in *Quantitative Studies on Production and Prices*, editors W. Eichhorn, R. Henn, K. Neumann and R.W. Shephard, Vienna: Physica-Verlag, (1983), pp. 131-158.
- \*19 "A Fundamental Matrix Equation of Production Theory with Applications to the Theory of International Trade," in *Methods of Operations Research*, Vol. 46, P. Stahly (ed.), Konigstein: Verlag Anton Hain, (1983), pp. 181-194.
- 20 "An Overview of the Papers on Price Level Measurement," in *Price Level Measurement*, editors W.E. Diewert and C. Montmarquette, Statistics Canada, Ottawa, Ontario, (December 1983), pp. 59-83.
- \*21 "The Theory of the Cost-of-Living Index and the Measurement of Welfare Change," in *Price Level Measurement*, editors W.E. Diewert and C. Montmarquette, Statistics Canada, Ottawa, Ontario (December 1983), pp. 163-233.

- \*22 "The Treatment of Seasonality in a Cost-of Living Index," in *Price Level Measurement*, editors W.E. Diewert and C. Montmarquette, Statistics Canada, Ottawa, Ontario, (December 1983), pp. 1019-1045.
- \*23 "The Theory of the Output Price Index and the Measurement of Real Output Change," in *Price Level Measurement*, editors W.E. Diewert and C. Montmarquette, Statistics Canada, Ottawa, Ontario (December 1983), pp. 1049-1113.
- \*24 "Group Cost of Living Indexes: Approximations and Axiomatics," in *Methods of Operations Research*, Vol. 48, editors R. Henn and D. Pallaschke, Konigstein: Verlag Anton Hain, (1984), pp. 23-45.
- \*25 "Transfer Pricing and Economic Efficiency," in *Multinationals and Transfer Pricing*, A.M. Rugman and L. Eden (eds.), Croom Helm, London, (1985), pp. 47-81.
- \*26 "Measurement of Waste and Welfare in Applied General Equilibrium Models," in *New Developments in Applied General Equilibrium Analysis*, J. Piggot and J. Whalley, (eds.), Cambridge University Press, (1985), pp. 42-102.
- \*27 "Cost Functions," in *The New Palgrave A Dictionary of Economics*, Vol. 1, J. Eatwell, M. Milgate and P. Newman (eds.), London: The Macmillan Press, (1987), pp. 690-696.
- \*28 "Index Numbers," in *The New Palgrave A Dictionary of Economics*, Vol. 2, J. Eatwell, M. Milgate and P. Newman (eds.), London: The Macmillan Press, (1987), pp. 767-780.
- 29 "Kontüs, Alexander Alexandrovich," in *The New Palgrave A Dictionary of Economics*, Vol. 3, J. Eatwell, M. Milgate and P. Newman (eds.), London: The Macmillan Press, (1987), p.62.
- 30 "Laspeyres, Ernst Louis Etienne," in *The New Palgrave A Dictionary of Economics*, Vol. 3, J. Eatwell, M. Milgate and P. Newman (eds.), London: The Macmillan Press, (1987), pp. 133-134.
- \*31 "Comments on Corporate Taxes and Incentives and the Structure of Production: A Selected Survey," in *The Impact of Taxation on Business Activity*, J.M. Mintz and D.D. Purvis (eds.), Kingston, Ontario: John Deutsch Institute for the Study & Economic Policy, Queen's University, (1987), pp. 209-224.
- \*32 "Export Supply and Import Demand Functions: A Production Theory Approach," in *Empirical Methods for International Trade*, R.C. Feenstra (eds.), Cambridge, Massachusetts: The MIT Press, (1988), pp. 207-222 (with C.J. Morrison).
- 33 "Productivity Growth and Changes in the Terms of Trade in Canada," in *Empirical Methods for International Trade*, R.C. Feenstra (ed.), Cambridge, Massachusetts: The MIT Press, (1988), pp. 279-294 (with A. Cas and L.A. Ostensoe).
- \*34 "Test Approaches to International Comparisons," in *Measurement in Economics*, W. Eichhorn (ed.), Heidelberg: Physica-Verlag, (1988), pp. 67-86.
- \*35 "Flexible Functional Forms for Profit Functions and Global Curvature Conditions," in *Dynamic Econometric Modeling*, W.A. Barnett, E.R. Berndt and H. White (eds.), New York: Cambridge University Press, (1988), pp. 43-51, (with L. Ostensoe).
- \*36 "Performance Indicators for Regulated Industries," in *Telecommunications Demand Modelling*, Contributions to Economic Analysis 187, A. Defontenay, M.H. Shugard and D.S. Sibley (eds.), Amsterdam: North-Holland, (1990), pp. 447-479.

- \*37 "Productivity Growth and Changes in the Terms of Trade in Japan and the United States," in *Productivity Growth in Japan and the United States*, C.R. Hulten (eds.), NBER Studies in Income and Wealth Vol. 53, Chicago: The University of Chicago Press (with C. Morrison), (1990), pp. 201-227.
- 38 "Comment on Hedonic Methods in Statistical Agency Environments: An Intellectual Biopsy," in *Fifty Years of Economic Measurement*, E.R. Berndt and J.E. Triplett (eds.), NBER Studies in Income and Wealth Volume 54, Chicago: The University of Chicago Press, (1990), pp. 233-237.
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