

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)

Apr. 6, 2016 _____

- 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 ^R in the left hand margin beside the bibliographical entry or by separate listing under the heading: Refereed Publications.

Example 1:

^RFaiman, 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- b) Completed and unpublished material including Commission Reports, Discussion Papers or similar materials (include only those of significance; if paper read at a conference, indicate date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”, (with A.D. Woodland), *Econometrica* 45:2 (March 1977), pp. 375-398.
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- *16 “Flexible Functional Forms and Expenditure Distributions: An Application to Canadian Consumer Demand Functions”, (with E.R. Berndt and M.N. Darrough), *International Economic Review* 18:3 (October 1977), pp. 551-576.
- *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”, (with C. Blackorby), *Econometrica* 47 (May 1979), pp. 579-601.
- *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", (with R.C. Allen), *The Review of Economics and Statistics* VOL. LXIII, No. 3 (August 1981), pp. 430-435.
- *25 "The Measurement of Deadweight Loss Revisited", *Econometrica* 49:5 (September 1981), pp. 1225-1244.
- *26 "Nine Kinds of Quasiconcavity and Concavity", (with M. Avriel and I. Zang), *Journal of Economic Theory* 25:3 (December 1981), pp. 397-420.
- *27 "Multilateral Comparisons of Output, Input and Productivity using Superlative Index Numbers", (with D.W. Caves and L.R. Christensen), *The Economic Journal* 92 (March 1982), pp. 73-86.
- *28 "The Economic Theory of Index Numbers and the Measurement of Input, Output, and Productivity", (with D.W. Caves and L.R. Christensen), *Econometrica* 50 (November 1982), pp. 1392-1414.
- 29 "The Decomposition of Frontier Cost Function Deviations into Measures of Technical and Allocative Efficiency", (with R.J. Kopp), *Journal of Econometrics* 19 (1982), pp. 319-331.
- 30 "The Duality Implications of a Concave Aggregator Function", *Economic Letters* 11 (1983), pp. 197-201.
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- *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", (with L.E. Edlefsen), *International Economic Review* 25 (June 1984), pp. 379-384.
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- *38 "Adjusting Output and Productivity Indexes for Changes in the Terms of Trade", (with C.J. Morrison), *The Economic Journal* 96 (September 1986), pp. 659-679.
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- *42 "On Tax Reform", *The Canadian Journal of Economics* 21 (February 1988), pp. 1-40.
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- *45 "New Techniques in the Measurement of Multifactor Productivity", (with C.J. Morrison), *The Journal of Productivity Analysis* 1 (1990), pp. 265-285.
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- *47 "The Measurement of Productivity", *Bulletin of Economic Research* 44:3 (1992), pp. 163-198.
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- *49 "Exact and Superlative Welfare Change Indicators", *Economic Inquiry* Vol. XXX, (October 1992), pp. 565-582.
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- 71 "Price Index Research in the Coming Decades: Conference Report", (with K. Abraham, E. Berndt, Z. Griliches, B. Moulton, C. Schultze, and J. Triplett), *Monthly Labour Review*, Bureau of Labor Statistics, U.S. Department of Labour, (September 2000), pp. 31-36.
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- 80 “Information Failure as an Alternative Explanation of Under Investment in R & D”, (with A.O. Nakamura and P. Tiessen), *Journal of Managerial Decision Economics*, Vol. 24 (2003), pp. 231-239.
- *81 “The Gains from Trade and Policy Reform Revisited”, (with Alan D. Woodland), *Review of International Economics*, Vol. 12:4, (2004), pp. 591-608.
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- 83 “Identifying Outliers in Multi-Output Models”, (Kevin J. Fox and Robert J. Hill), *Journal of Productivity Analysis*, 22 (2004), pp. 73-94.
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- *85 “Index Number Theory Using Differences Rather Than Ratios”, *The American Journal of Economics and Sociology*, Blackwell Publishing, Vol. 64, No. 1 (January 2005), pp. 311-360.
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- 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.
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- 90 “What Is To Be Done For Better Productivity Measurement”, in *International Productivity Monitor*, No. 16, (Spring 2008), pp. 40-52.
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- 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.
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- 119 “Decompositions of Profitability Change using Cost Functions”, *Journal of Econometrics* 183, (2014), pp. 58-66.
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- 123 “Hedonic Regressions and the Decomposition of a House Price index into Land and Structure Components”, (with R. Hendriks), *Econometric Reviews*, (2015), Volume 34:1-2, pp. 106-126.
- 124 “Reconciling Gross Output TFP Growth with Value Added TFP Growth”, *International Productivity Monitor*, (Fall 2015), Number 29 pp. 60-67.
- 125 “Decompositions of Productivity Growth into Sectoral Effects”, *Journal of Productivity Analysis* 43, (2015), pp. 367-387.

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).
 - 5 *Essays in Index Number Theory Volume I*, editor (with A.O. Nakamura), Contributions to Economic Analysis 217, Amsterdam: North-Holland, (1993), 551 pp.
 - 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, (with D.A. Lawrence), (March 1994), 123 pp.
 - 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 “Asset Valuation and Productivity-Based Regulation Taking Account of Sunk Costs and Financial Capital Maintenance”, (with Denis Lawrence and John Fallon), *Economic Insights*, Report Prepared for Commerce Commission, Government of New Zealand, Wellington NZ, (2009), pp. 64.
 - 10 “The Theory of Network Regulation in the Presence of Sunk Costs”, (with Denis Lawrence and John Fallon), *Economic Insights*, Report Prepared for Commerce Commission, Government of New Zealand, Wellington NZ, (2009), pp. 93.
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 - 12 *Consumer Price Statistics in the UK*, for the ONS (Office for National Statistics), Government Buildings, Cardiff Road, Newport, UK, NP10 8XG: Office for National Statistics, (2012), 100 pp.
 - 13 *Eurostat Handbook on Residential Property Price Indices (RPPIs)*, (editor with Jan de Haan), Eurostat European Commission, Luxembourg: Publications Office of the European Union, (2013), pp. 1-186.
- a) Publications: Government Publications and Contributions to Books
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 - 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.
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- *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”, (with A.D. Woodland), Research Projects Group, Department of Manpower and Immigration, Ottawa, Ontario, (March 1975), 42 pp.
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- *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”, pp. 17-51, Vol. 2, in *Production Economics: A Dual Approach to Theory and Applications*, M. Fuss and D. McFadden (eds.), North-Holland, Amsterdam, (1978).
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- *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.
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- *12 “Introduction to Concave and Generalized Concave Functions”, (with M. Avriel, S. Schaible and W.T. Ziemba), in *Generalized Concavity in Optimization and Economics*, S. Schaible and W.T. Ziemba (eds.) , Academic Press, New York, (1981), pp. 20-50.
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- *14 “Alternative Characterizations of Six Kinds of Quasiconcavity in the Nondifferentiable Case with Applications to Nonsmooth Programming”, in *Generalized Concavity in Optimization and Economics*, S. Schaible and W.T. Ziemba (eds.), 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*, C.R. Hulten (ed.), The Urban Institute Press, Washington, DC, (1981), pp. 57-80.
- *16 “Duality Approaches to Microeconomic Theory”, in *Handbook of Mathematical Economics*, Vol. II, K.J. Arrow and M.D. Intriligator (eds.), North-Holland Publishing Co., Amsterdam, (1982), pp. 535-599.
- *17 “The Comparative Dynamics of Efficient Programs of Capital Accumulation and Resource Depletion”, (with T.R. Lewis), in *Economic Theory of Natural Resources*, W. Eichhorn,

- R. Henn, K. Neumann, R.W. Shephard (eds.), 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*, W. Eichhorn, R. Henn, K. Neumann and R.W. Shephard (eds.), 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.), Königstein: Verlag Anton Hain, (1983), pp. 181-194.
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- *21 "The Theory of the Cost-of-Living Index and the Measurement of Welfare Change", in *Price Level Measurement*, W.E. Diewert and C. Montmarquette (eds.), Statistics Canada, Ottawa, Ontario (December 1983), pp. 163-233.
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c) Work in Progress

1. Further work on hedonic regression techniques in the measurement of house price change
2. The contribution of changes in the terms of trade to real income growth
3. Problems in the measurement of capital and income
4. Investigation of possible biases in the UK’s consumer price indexes
5. Problems in the measurement of productivity

