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Date and Place of Birth: 1933, Milan, Italy,

Date of Arrival in Israel: 1933,

Military Service: 1951-1954 (IDF)

Home Address: Rekanati 4, Ramat-Aviv, Tel Aviv, Israel

A. EDUCATION

B.A: The Hebrew University of Jerusalem, Department of Economics,
1956.

M.Sc.Soc.:The Hebrew University of Jerusalem, Department of Economics,
1959.

Title of Master's Thesis: "Direct Premiums in Israel 1952-1958",

Supervisor: Professor Don Patinkin,

Ph.D.: The Hebrew University of Jerusalem, Department of economics,
1971.

Title of Doctoral Dissertation:

"Competitive Equilibrium and Optimization Models for the Housing Market,"

Supervisors: Professor David Levhari, The Hebrew University of Jerusalem.

Professor Benjamin H. Stevens, University of Pennsylvania, Philadelphia, U.S.A.

B. ACADEMIC AND PROFESSIONAL EXPERIENCE

1958 Falk Project for Economic Research, Jerusalem, Researcher.

1959-1962 The Hebrew University of Jerusalem, Department of Economics, Teaching Assistant.

1966: Tel Aviv University, Department of Economics Instructor.

1967-1968 Regional Science Research Institute, Philadelphia, U.S.A, Researcher

1968-1970 Tel Aviv University, Department of Economics Instructor.

1970-1975 Tel Aviv University, Department of Economics, Senior Lecturer, Tel Aviv.

University, Center for Urban and Regional Studies, Head.

Since 1.10.73 Tenure.

1973-1974, Visiting Lecturer, Department of Economics and Woodrow Wilson School,

Princeton University, N.J., U.S.A.

Since 1.10.75: Associate Professor Department of Economics, Tel Aviv University.

1977-1979: Chairman, Department of Economics, Tel Aviv University.

1979-1980: Visiting Professor, Department of Economics, Queen's University, Kingston,

Ontario.

1981 (Spring): Visiting Professor, Department of Economics, University of Cincinnati,

Cincinnati, U.S.A.

1981-1982: Foerder Institute for Economic Research, Tel-Aviv University,
Head.

Since 1983: Professor, Department of Economics, Tel-Aviv University.

1985-1987: Visiting Professor, Department of Economics, The University
of Western

Ontario, London, Ontario, Canada,

1987-: Department of Economics, Tel-Aviv University.

October 2002-: Retired.

C. OTHER PROFESSIONAL EXPERIENCE

1963-1964 Tel Aviv Municipality, Head of the Budget Department.

1964-1965 Ministry of Housing (Israel), Economic Advisor to the Minister of Housing.

D. EDITORIAL BOARDS

Journal of Urban Economics (1991-2013),

Regional Science and Urban Economics (1990-2005),

Economic Geography (2001-2011).

1 LIST OF PUBLICATIONS

1.1 A. BOOKS

D. Pines, **Direct Premiums to the Israeli Export: 1952-1958** (Jerusalem: Falk Project for Economic Research), 1963 (Hebrew).

D. Pines, E. Sadka, and Y. Zilcha, (Eds.) **Topics in Public Economics**, (NY: Cambridge University Press), 1998.

Y. Papageorgiou and D. Pines, **An Essay on Urban Economic Theory**, (Boston: Kluwer Academic Publishers), 1998.

1.2 B. ARTICLES

H. Ben-Shahar, A. Mazor, D. Pines, "Town Planning and Welfare Maximization: A Methodological Approach," **Regional Studies**, 3, (2), 1969, 105-113.

D. Pines, "The Exponential Density Function: A Comment," **Journal of Regional Science**, 10, (1), 1970, 107-110.

H. Ben-Shahar, A. Mazor, D. Pines, "Analytical Methods in Town Planning," **Long Range Planning**, 3, (7), 1970, 42-49.

O. Hochman, D. Pines, "Competitive Equilibrium of Transportation and Housing in the Residential Ring of an Urban Area," **Environment and Planning**, 3, (1), 1971, 51-62.

D. Pines, "The Equilibrium Utility Level and City Size: A Comment,"

Economic Geography, 48, (4), 1972, 439-443.

O. Hochman, D. Pines, "Note on Land Use in a Long Narrow City," **Journal of Economic Theory**, 5, (3), 1972, 540-541.

Y. Oron, D. Pines, E. Sheshinski, "Optimum vs Equilibrium Land Use Pattern and Congestion Toll," **Bell Journal of Economics and Management Science**, 4, (2), 1973, 619-636.

Y. Oron, D. Pines, E. Sheshinski, "The Effect of Nuisance Associated with Urban Traffic on Suburbanization and Land Value," **Journal of Urban Economics**, 1, 1974, 382-394.

D. Pines, "On the Spatial Distribution of Households according to Income," **Economic Geography**, 51, (2), 1975, 142-149.

O. Hochman, G. Fishelson, D. Pines, "Intra-Urban Spatial Association between Places of Work and Places of Residence," **Environment and Planning A**, 7, 1975, 273-278.

Y. Oron, D. Pines, "The Effect of Efficient Pricing of Air Pollution on Intra-Urban Land-Use Pattern," **Environment and Planning**, 7, 1975, 293-299.

J. C. Ohls, David Pines, "Discontinuous Urban Development and Economic Efficiency," **Land Economics**, 51, (3), 1975, 224-234.

D. Pines, Y. Weiss, "Land Improvement Projects and Land Values," **Journal of Urban Economics**, 3, (1), 1976, 1-13.

D. Pines, "A Comment on Couch's 'A Note on Muth's Negative Exponential Model of Urban Housing'," **Journal of Regional Science**, 16, (2), 1976, 273-274.

E. Helpman, D. Pines, E. Borukhov, "The Interaction between Local

Government and Urban Residential Location: Comment,” **American Economic Review**, 66, (5), 1976, 961-967.

E. Hochman, D. Pines, D. Zilberman, “The Effect of Pollution Taxation on the Pattern of Resource Allocation: The Downstream Diffusion Case,” **Quarterly Journal of Economics**, 91, (4), 1977, 625-638.

E. Helpman, D. Pines, “Land and Zoning in an Urban Economy: Further Results,” **American Economic Review**, 67, (5), 1977, 982-986.

D. Levhari, Y. Oron, D. Pines, “A Note on Unequal Treatment of Equals in an Urban Setting,” **Journal of Urban Economics**, 5, (2), 1978, 278-284.

E. Werczberger, D. Pines, “A Linear Programming Model of Filtering Process in the Housing Market,” **Papers of the Regional Science Association**, 42, 1979, 17-27.

O. Hochman, D. Pines, “Cost of Adjustment and Demolisher Cost in Residential Construction and their Effect on Urban Growth,” **Journal of Urban Economics**, 7, 1980, 2-19.

E. Helpman, D. Pines, “Optimal Public Investment and Dispersion Policy in a System of Open Cities,” **American Economic Review**, 70, 1980, 507-514.

E. Berglas, D. Pines, “Clubs as a Case of Competitive Industry with Goods of Variable Quality,” **Economics Letters**, 5(4), 1980, 363-366.

D. Pines, E. Sadka, “Optimum, Second-Best and Market Allocations of Resources within an Urban Area,” **Journal of Urban Economics**, 9 (2), 1981, 173-189.

E. Berglas, D. Pines, “Clubs, Local Public Goods and Transportation Models: A Synthesis,” **Journal of Public Economics**, 15, 1981, 141-162.

D. Pines, Y. Weiss, "Land Improvement Projects and Land Values: An Addendum," **Journal of Urban Economics**, 11, 1982, 199-204.

D. Pines, E. Werczberger, "A Linear Programming Model of the Urban Housing and Land Markets, Static and Dynamic Aspects," **Regional Science and Urban Economics**, 12, 1982, 211-233.

O. Hochman, D. Pines, "Costs of Adjustment and the Spatial Pattern of a Growing Open City," **Econometrica**, 50(6), 1982, 1371-1391.

E. Berglas, E. Helpman, D. Pines, "The Economic Theory of Clubs: Some Clarifications," **Economics Letters**, (10), 1982, 343-348.

R. Arnott, R. Davidson, D. Pines, "Housing Quality, Maintenance, and Rehabilitation," **Review of Economic Studies**, 162, 1983, 467-494.

A. Schwartz, D. Pines, "Portfolio Choice, Consumption and Welfare, When Rates of Return are Related to Prices of Consumer Goods," **Journal of Public Economics**, 21, 1983, 53-77.

E. Berglas, D. Fresko, D. Pines, "Right of Way and Congestion Toll," **Journal of Transportation Economics and Policy**, 18 (2), 1984, 165-187.

D. Pines, "On the Capitalization of Land Improvement Projects," **Economics Letters**, 15, 1984, 377-384.

E. Berglas, D. Pines, "Resource Constraint Replicability and Mixed Clubs: A Reply," **Journal of Public Economics**, 23, 1984, 391-397.

R. Arnott, R. Davidson, D. Pines, "Unanticipated Shocks and the Maintenance and Replacement of Durable Goods," **Journal of Economic Dynamics And Control**, 8, 1984, 99-115.

D. Pines, E. Sadka, "Gasoline Prices, Welfare and Congestion Toll," **The**

Scandinavian Journal of Economics, 86, 1984, 440-451.

D. Pines, "Profit Maximizing Developers and the Optimal Provision of Local Public Good in a System of a Few Cities," **Revue Economique** 36(1) 1985, 45-62.

D. Pines, E. Sadka, "Zoning, First-Best, Second-Best, and Third-Best Criteria for Allocating Land for Roads," **Journal of Urban Economics**, 17, 1985, 167-183.

D. Pines, E. Sadka, E. Sheshinski, "Normative and Positive Aspects of the Taxation of Imputed Rent on Owner-Occupied Housing," **Journal of Public Economics** 27 (1), 1985, 1-23.

R. Arnott, R. Davidson, D. Pines, "The Spatial Aspects of Housing Quality, Quantity and Maintenance," **Journal of Urban Economics**, 19 (2), 1986, 190-217.

D. Pines, E. Sadka, "Comparative Statics Analysis of a Fully Closed City," **Journal of Urban Economics**, 20 (1), 1986, 1-20.

R. Arnott, D. Pines, E. Sadka, "The Effects of an Equiproportional Transport Improvement in a Fully-Closed Monocentric City," **Regional Science and Urban Economics**, 16, 1986, 387-406.

D. Pines, E. Sadka, E. Sheshinski, "Discriminating Taxation of Owner Occupied Housing: Its Effect on Resource Allocation and Income Distribution," **Bank of Israel Economic Review**, (58), 1986, 83-100.

R. Eldor, D. Pines, "The Futures Prices of Commodity in Fixed Supply," **Economics Letters**, 23, 1987, 37-41.

Y.Y. Papageorgiou, D. Pines, "The Impact of Transportation Cost Uncertainty on Urban Structure," **Regional Science and Urban Economics**,

18, 1988, 247-260.

E. Eldor, D. Pines, A. Schwartz, "Home Asset Preference and Productivity Shocks," **Journal of International Economics**, 25, 1988, 165-176.

E. Eldor, D. Pines, A. Schwartz, "The Determinants of the Household Demand for Hedging Instruments," **The Journal of Futures Markets**, 9, 1989, 135-141.

Y.Y. Papageorgiou, D. Pines, "The Exponential Density Function: First Principles, Comparative Statics and Empirical Evidence," **Journal of Urban Economics**, 26, 1989, 264-268.

Y.Y. Papageorgiou, D. Pines, "The Logical Foundations of Urban Economics are Consistent," **Journal of Economic Theory**, 50, 1990, 37-53.

R.E. Kohn, D.Pines, "A Second-Best Tax for Litter Abatement", **Socio-Economic Planning Science**, 24, 1990, 1-9.

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Z. Hercowitz, D. Pines, "Migration with Fiscal Externalities", **Journal of Public Economics**, (46), 1991, 163-180.

D. Pines, "Tiebout without Politics", **Regional Science and Urban Economics**, 21, 1991, 469-489.

O. Hochman and D. Pines, "Federal Income Tax and its Effects on Inter and Intra-City Resource Allocation", **Public Finance Quarterly**, 21, 1993, 276-304.

O. Hochman, D. Pines, J-F. Thisse, "On the Optimal Structure of Local Governments", **American Economic Review**, 85, 1995, 1224-1240.

Z. Hercowitz, D. Pines, "Migration between Home Country and Diaspora: An Economic Analysis", **Journal of Public Economics**, **65**, 1997, 45-59.

E. Berglas and D. Pines, "Transaction Costs in a Tiebout Setup", **Annales D'économie et de Statistique**, 45, 1997, 183-197.

R. Arnott, R. Braid, R. Davidson, and D. Pines, "A General Equilibrium Spatial Model of Housing Quality and Quantity", **Regional Science and Urban Economics**, 99, 1999, 283-316.

Y.Y. Papageorgiou, D. Pines, "Externalities, Indivisibility, Nonreplicability, and Agglomeration", **Jornal of Urban Economics**, 48, 2000, 509-535.

D. Pines and J-F. Thisse, "Urban System: Market and Efficiency", **Journal of Public Economic Theory**, 3, 2001, 7-14.

Y. Hadar and D. Pines, "On the Market Failure in a Dixit-Stiglitz Setup with Two Trading Cities", **Journal of Public Economic Theory**, 5, 2003, 549-570.

Y. Hadar and D. Pines, "Population Growth and its Distribution between Cities: Positive and Normative Aspects", **Regional Science and Urban Economics**, 34, 2004, 125-154.

A. Anas and D. Pines, "Anti-sprawl policies in a system of congested cities", **Regional Science and Urban Economics**, 38, 2008, 408-423.

D. Pines and T. Kono, "FAR regulation and unpriced transportation congestion", **Regional Science and Urban Economics** 42, 2012, 931-937.

A. Anas and D. Pines, "Public Goods and Congestion in a System of Cities: How Do Fiscal and Zoning Policies Improve Efficiency?", **Journal of Economic Geography** 13, 2013, 649-676 (first published online, September

14, 2012).

D. Pines, "The Story of the Establishment of the Economics Department at Tel Aviv University (TAU), **Israel Economic Review** 12, 2015, 37-80.

1.3 C. BOOK REVIEWS

D. Pines, Review on: E. S. Mills (Ed.), *Handbook of Regional and Urban Economics, Volume II: Urban Economics*, **Regional Science and Urban Economics**, 19, 1989, 646-658.

D. Pines, "New Economic Geography": Revolution or Counter-Revolution?, A Review on: M. Fujita, P. Krugman, and A. J. Venables, *The Spatial Economy, 1999, Cambridge Massachusetts: The MIT Press, 1999*, **Journal of Economic Geography**, 1, 2001, 139-146.

D. Pines, Review on: M. Fujita and J-F. Thisse, *Economics of Agglomeration: Cities, Industrial Location and Regional growth*, Cambridge University Press, *Cambridge*, 2002, **Regional Science and Urban Economics**, 35, 2002.

1.4 D. CHAPTERS IN BOOKS

D. Pines, "Methods of Urban and Regional Planning," in **Urbanization and the Developing Countries**, (Raanan Weitz, ed.), Praeger Publishers Inc., 1973, 228-255.

D. Pines, "Dynamic Aspects of Land Use Pattern in a Growing City," in **Mathematical Land Use Theory**, (George J. Papageorgiou, ed.), Lexington Books, Toronto and London, 1976, 229-243.

E. Borukhov, D. Pines, "Quantitative Evaluation of the Determinants of the Increase in the Prices of Houses in Israel," **Studies in Israel's Economy** **1976**, (N. Halevi and J. Kop, eds.), The Israel Economic Association and Falk Institute for Economic Research in Israel, 1976, 285-298 (Hebrew).

D. Pines, "Home Ownership The Rental Market, and the Cost of Housing," in **New Trends in Urban Planning**, (D. Soen ed.), Pergamon Press, 1979, 149-153.

R. Eldor and D. Pines, and A Schwarts, "The Demand for Domestic Assets and Consumption Risk" in **Recent Developments in International Banking/Finance**, Chap. 14 (S.J. Kaury, Editor), Heath Company, D.C., 1988.

S. Harel, Z. Herkowitz, and D. Pines, "Long-Run Immigration Policy: Israel and The Jewish Diaspora", **Studies in Israel's Economy**, (E. Helpman and Y. Nathan, eds.), The Israel Economic Association, Jerusalem, **1989**, 201-211, (Hebrew).

1.5 E. OTHER PUBLICATIONS

D. Pines, "Foreign Exchange Control and Price Distortion in the Israeli Economy," **The Riveon Lekalkala**, 7, (22), 1960, 431-435 (Hebrew).

D. Pines, "Indices for Economic Independence," **The Riveon Lekalkala**, 8, (31), 1961, 242-252 (Hebrew).

D. Pines, **Direct Premiums to Export in Israel 1952-1958**, Falk Project for Economic Research, 1963.

E. Borukhov, D. Pines, "Land Policy and the Increase in the Prices of Land," **The Riveon Lekalkala**, 13, (49-50), 1966 (Hebrew).

D. Pines, Y. Weiss, "The Housing Rental Market, the Prices of Houses and the Cost of Housing," **The Riveon Lekalkala**, 19, (75), 1972, 187-194 (Hebrew).

Z. Adar, D. Pines, "Theoretical Considerations and Criteria for Evaluating the Municipal Reform in the Metropolitan Area of Tel Aviv," **Yeer V'ezor**, 2 (2), 1974, 22-30 (Hebrew).

D. Pines, "The Public Land and its Impact on Land Market," **Karka**, (10), 1975, 3-7 (Hebrew).

E. Borukhov, D. Pines, "The Increase in the Prices of Houses in Israel and its Determinants," **The Riveon Lekalkala**, 23, (84-85), 1976, 55-66 (Hebrew).

B. Arad, S. Kobrinski, D. Pines, "Optimal Taxation of the Private Car in Central Cities," **The Riveon Lekalkala**, 24, (94), 1977, 213-221 (Hebrew).

D. Pines, "Developing the Israeli Rental Market and Construction for the Rental Market: The National Economy Aspect," **The Riveon Lemisim**, 37-38, 1977, 138-153, (Hebrew).

D. Pines, "The Land Component in Apartment Prices," **Karka**, (23), 1982, 69-74, (Hebrew).

Z. Hercowitz, D. Pines, "Zionism and Donations from the Diaspora: A Theoretical Analysis", **Riveon Lekalkala**, 37, 1990, 65-72, (Hebrew).

D. Pines, "Population Dispersion Policy in View of the Immigration from the Soviet Union", **The Riveon Lekalkala**, 148, 1991, 11-27, (Hebrew).

D. Pines, "Land Prices Fluctuations and their Reflection in the Cost of Living Index", **Karka**, 34, 3-7, 1992, (Hebrew).

D. Pines, "Preferred Treatment of Settlements Located across the 'green

Line' Implied by the Direct Housing Assistance Program", **Karka**, 35, 10-18, 1992, (Hebrew).

D. Pines, "", **The Riveon Lekalkala** 60, 2013, (published in May 2015), 11-40. (An extended English version under the same title published in **Isreal Economic Review**, 12, 2015, 37-80).

1.6 E. WORKS IN PROGRESS

"Optimal property tax structure in a congested monocentric city" (with Tatsuhito Kono, Yokoi)

"Can Tiebout equilibrium be optimal without head tax or zoning?"

"On optimal immobile commodity taxation in a spatial setting" (with Tatsuhito Kono)