

SOME FORMAL CONNECTIONS BETWEEN ECONOMIC VALUES AND YIELDS AND ACCOUNTING NUMBERS

K.V. Peasnell

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Abstract

This paper reports a number of results concerning the relationship between accounting numbers and economic values and yields. Some of the results have appeared previously in the literature and some are new. They have been collected together in a common analytical framework in order to demonstrate their formal, mathematical character. It is shown that present value can be obtained by discounting almost any profit numbers; that accounting rates of return define a discount function directly analogous to the term structure and the internal rate of return; and that the internal rate of return can be expressed as a linear weighted sum of accounting rates of return.

REFERENCES

Accounting Standards Committee (1980), *Statement of Standard Accounting Practice No. 16: Current Cost Accounting*.

[Google Scholar](#)

Appleyard, A.R. (1980), "Takeovers: Accounting Policy, Financial Policy and the Case Against Accounting Measures of Performance", *Journal of Business Finance and Accounting* (Winter 1980), pp. 541-554.

[Google Scholar](#)

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Bierman, H. and S. Smidt (1980), *The Capital Budgeting Decision*, 5th edn. (Macmillan).

[Google Scholar](#) 

Brealey, R. and S. Myers (1981), *Principles of Corporate Finance*, (McGraw-Hill).

[Web of Science®](#)  | [Google Scholar](#) 

Brief, R.P., B. Merino and J. Weiss (1980), "Cumulative Financial Statements", *Accounting Review* (July 1980), pp. 480–490.

[Web of Science®](#)  | [Google Scholar](#) 

Chambers, R.J. (1966), *Accounting, Evaluation and Economic Behavior* (Prentice-Hall, 1969).

[Google Scholar](#) 

Edwards, E.O. and P.W. Bell (1961), *The Theory and Measurement of Business Income* (University of California Press, 1961).

[Google Scholar](#) 

Edwards, E.O. (1978), "The Primacy of Accounting Income in Decisions on Expansion: An Exercise in Arithmetic", in C. Dam (ed.), *Trends in Managerial and Financial Accounting* (Martinus Nijhoff, 1978), pp. 45–62.

[Web of Science®](#)  | [Google Scholar](#) 

Edwards, E.O. (1980), "The Fundamental Character of Excess Income", *Accounting and Business Research* (Autumn 1980), pp. 375–384.

[Google Scholar](#) 

Findlay, M.C. and E.E. Willaims (1979). "Owners' Surplus. the Marginal Efficiency of Capital and Market

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Hansen, P. (1977), "The Accounting Theory of Profit: An Analysis Based on Material from Practice", in W.T. Baxter and S. Davidson (Eds.), *Studies in Accounting*, 3rd edn. (Institute of Chartered Accountants in England and Wales), pp. 156-167.

[Google Scholar](#) 

Harcourt, G.C. (1965), "The Accountant in a Golden Age", *Oxford Economic Papers* (1965), reprinted in R.H. Parker and G.C. Harcourt (eds.), *Readings in the Concept and Measurement of Income* (Cambridge University Press, 1969), pp. 310-325.

[Google Scholar](#) 

Kay, J.A. (1976), "Accountants, Too, Could be Happy in a Golden Age: The Accountant's Rate of Profit and the Internal Rate of Return", *Oxford Economic Papers* (November 1976), pp. 447-460.

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Kay, J.A. (1978), "Accounting Rate of Profit and Internal Rate of Return: A Reply", *Oxford Economic Papers* (November 1978), pp. 469-470.

[Web of Science®](#)  [Google Scholar](#) 

Lee, T.A. (1980), *Income and Value Measurement: Theory and Practice*, 2nd edn. (Thos. Nelson, 1981).

[Google Scholar](#) 

Peasnell, K.V. (1981), "On Capital Budgeting and Income Measurement", *Abacus*, (June 1981), pp. 52-67.

[Web of Science®](#)  [Google Scholar](#) 

Peasnell, K.V. (1982), "Estimating the Internal Rate of Return from Accounting Profit Rates," *Investment Analyst* (April 1982), pp. 26-31.

[Google Scholar](#) 

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Stauffer, T.R. (1971), "The Measurement of Corporate Rates of Return: A Generalised Formulation", *Bell Journal of Economics and Management Science* (Autumn 1971), pp. 434-469.

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Tomkins, C. (1973), *Financial Planning in Divisionalised Companies* (Accountancy Age Books).

[Google Scholar](#) 

Wells, M.C. (1978), *Accounting for Common Costs* (University of Illinois, 1978).

[Google Scholar](#) 

Wright, F.K. (1978), "Accounting Rate of Profit and Internal Rate of Return", *Oxford Economic Papers* (November 1978), pp. 464-468.

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