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A Journal Devoted to the Problems of Capital Investment  
Volume 49, 2004 - [Issue 1](#)

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# RANKING MUTUALLY EXCLUSIVE PROJECTS: THE ROLE OF DURATION

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Pages 43-61 | Published online: 12 Aug 2010

Cite this article <https://doi.org/10.1080/00137910490432647>



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## Abstract

This paper develops a new measure of cash-flow timing called “return duration.” Numerically quite close to Macaulay duration, return duration is a straightforward function of a project's net present value (NPV) and internal rate of return (IRR). When comparing mutually exclusive projects, differences in return duration can explain ranking conflicts between NPV and IRR. The paper also clarifies the conditions under which a manager should consider duration or generalized NPV before making investment decisions when faced with such ranking conflicts.

## ACKNOWLEDGEMENTS

We thank John Daley, Lynda Livingston, Alex Wilson, and Harry White for comments on previous drafts of this paper.

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## Additional information

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