

Decision Support for IT Investment Projects – A Real Option Analysis Approach Based on Relaxed Assumptions

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Appendix (available online via <http://link.springer.com>)

Author (Year)	Journal/Book	Literature	Knowledge	Category of Option Pricing Model
Angelou and Economides (2008)	IEEE Transactions on Engineering Management	IS	Descriptive & Prescriptive	Lattice/Tree
Balasubramanian et al. (2000)	Journal of Strategic Information Systems	IS	Prescriptive	Lattice/Tree
Bardhan et al. (2004)	Journal of Management Information Systems	IS	Descriptive & Prescriptive	Analytical, Lattice/Tree
Benaroch and Kauffman (1999)	Information Systems Research	IS	Descriptive & Prescriptive	Analytical
Benaroch and Kauffman (2000)	MIS Quarterly	IS	Descriptive & Prescriptive	Analytical
Benaroch et al. (2006)	Journal of Management Information Systems	IS	Descriptive & Prescriptive	Analytical, Lattice/Tree
Black and Scholes (1973)	Journal of Political Economy	Finance & Economics	Descriptive	Analytical
Blenman and Clark (2005)	Review of Derivatives Research	Finance & Economics	Prescriptive	Analytical
Bollen (1999)	Management Science	IS	Descriptive	Lattice/Tree
Brach (2003)	John Wiley & Sons	Finance & Economics	Descriptive	Lattice/Tree
Brandimarte (2006)	New Jersey: John Wiley and Sons	Finance & Economics	Descriptive	Numerical, Lattice/Tree, Simulation
Brennan and Schwartz (1985)	The Journal of Business	Finance & Economics	Prescriptive	Analytical
Childs et al. (2001)	Financial Management	Finance & Economics	Prescriptive	Analytical

Dias and Nunes (2011)	International Conference on Real Options	Finance & Economics	Prescriptive	Analytical
Diepold et al. (2011)	Zeitschrift für Betriebswirtschaft	IS	Descriptive & Prescriptive	Analytical
Dixit and Pindyk (1994)	Princeton University Press	Finance & Economics	Prescriptive	Analytical
Dos Santos (1991)	Journal of Management Information Systems	IS	Descriptive & Prescriptive	Analytical
Elliott et al. (2007)	Available at SSRN	Finance & Economics	Prescriptive	Analytical
Epstein et al. (1998)	The Quarterly Review of Economics and Finance	Finance & Economics	Prescriptive	Analytical
Ewald and Wang (2010)	Mathematical Social Sciences	Finance & Economics	Prescriptive	Analytical
Ewald and Yang (2008)	Mathematical Methods of Operations Research	Finance & Economics	Descriptive & Prescriptive	Analytical
Guthrie (2007)	Journal of Financial and Quantitative Analysis	Finance & Economics	Prescriptive	Analytical
Heinrich et al. (2011)	European Conference on Information Systems	IS	Descriptive & Prescriptive	Analytical
Henderson (2004)	Princeton: Princeton University	Finance & Economics	Prescriptive	Analytical
Henderson (2007)	Mathematics and Financial Economics	Finance & Economics	Prescriptive	Analytical
Hilhorst et al. (2006)	European Conference on Information Systems	IS	Prescriptive	Numerical
Hubalek and Schachermayer (2001)	International Journal of Theoretical and Applied Finance	Finance & Economics	Descriptive	Analytical
Hugonnier and Morellec (2007)	Journal of Economic Dynamics and Control	Finance & Economics	Prescriptive	Analytical

Hull (2009)	Upper Saddle River: Pearson Education Inc.	Finance & Economics	Descriptive	Analytical, Lattice/Tree, Simulation
Jaimungal et al. (2013)	The European Journal of Finance	Finance & Economics	Prescriptive	Analytical
Jeanblanc et al. (2009)	Springer Finance	Finance & Economics	Descriptive	Analytical
Ji (2010)	International Conference on Information Systems	IS	Descriptive	Analytical
Kambil et al. (1991)	Middletown: Idea Group Publishing	IS	Descriptive	Lattice/Tree
Kauffman and Kumar (2008)	Information Technology Management	IS	Descriptive & Prescriptive	Simulation
Klaus et al. (2014)	European Conference on Information Systems	IS	Prescriptive	Analytical
Kumar (1996)	Journal of Management Information Systems	IS	Descriptive & Prescriptive	Analytical
Kumar (2002)	Information & Management	IS	Descriptive & Prescriptive	Analytical
Kumar (2004)	Journal of Management Information Systems	IS	Prescriptive	Analytical
Mahajan et al. (1990)	Journal of Marketing	Finance & Economics	Descriptive	Analytical, Lattice/Tree, Simulation
McDonald and Siegel (1986)	The Quarterly Journal of Economics	Finance & Economics	Prescriptive	Analytical
Merton (1998)	The American Economic Review	Finance & Economics	Prescriptive	Analytical
Metcalf and Hassett (1995)	Journal of Economic Dynamics and Control	Finance & Economics	Descriptive & Prescriptive	Analytical
Myers and Majd (1990)	Advances in Futures and Options Research	Finance & Economics	Prescriptive	Analytical
Pindyck (1993)	Journal of Financial Economics	Finance & Economics	Prescriptive	Analytical

Sarkar (2003)	Journal of Economic Dynamics and Control	Finance & Economics	Prescriptive	Analytical
Schwartz (1997)	The Journal of Finance	Finance & Economics	Prescriptive	Analytical
Schwartz and Smith (2000)	Management Science	Finance & Economics	Prescriptive	Analytical
Schwartz and Zozaya-Gorostiza (2003)	Management Science	IS	Descriptive & Prescriptive	Analytical
Sick and Gamba (2010)	Multinational Finance Journal	Finance & Economics	Descriptive	---
Smith and Nau (1995)	Management Science	IS	Descriptive	Lattice/Tree
Su et al. (2009)	Decision Sciences	IS	Descriptive & Prescriptive	Analytical
Taudes (1998)	Journal of Management Information Systems	IS	Descriptive & Prescriptive	Analytical
Taudes et al. (2000)	MIS Quarterly	IS	Descriptive & Prescriptive	Analytical
Tourinho (1979)	Working Paper Series, University of California at Berkeley	Finance & Economics	Prescriptive	Analytical
Wu et al. (2009)	Annals of Operations Research	IS	Prescriptive	Lattice/Tree

Table Legend

Classification of Option Pricing Models according to the Categories of Sick and Gamba (2010):

Analytical	Black Scholes Model, Margrabe Model, Stochastic Differential Equation
Numerical	Numerical Approximation of Stochastic Differential Equation
Lattice/Tree	Binomial Model, Decision Tree
Simulation	Monte Carlo Simulation