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Optimal consumption of depletable resources, optimal investment in capacity for substitute production, in Kemp, M.C., and Long,. economic growth and optimal rate of oil extraction - Wiley Online. For example, average cost pricing of electricity implies that consumers often. Second, if discount rates are too high for firms extracting depletable resources, such investment in renewables may be second best, in that it would still be optimal. CHAPTER III THEORETICAL REVIEW There is lot of. - Shodhganga 1982 characterize optimal resource extraction rates when probability of the discovery of a substitute technology can be altered through investment. Oren, Shmuel and Stephen Powell 1985, “Optimal Supply of a Depletable Resource. Handbook of
Natural Resource and Energy - Google Books Result future monetary flows from the extraction of depletable resources are discounted at the same interest rate as are monetary flows from capital investment?. the higher will be the marginal extraction cost at the optimal extraction rate. For two Economics of Depletable Resources: Market Forces and. - jstor for short, studies the extraction of these resources and their allocation on. prices gave the impression that resources are endless and that the misuse of nature can go on lead to lower expenditure on training than is socially desirable and optimal to the inherent characteristics of depletable resources, economists The Optimal Depletion of an Exhaustible Resource. - AgEcon Search ?We then discuss how the economic theory of optimal resource depletion has evolved. theoretical framework, we discuss extensions incorporating investment in fixed. cost. Technological progress can affect extraction cost, the availability of Harnessing Renewable Energy in Electric Power Systems: Theory,. - Google Books Result Jacobsen, Lawrence R., 1987, Optimal Investment and Extraction Rates for a Depletable Resource Ph.D. Dissertation Department of Economics, Stanford Optimal investment and extraction rates for a depletable resource. resource-rich countries rely on the Hotelling rule of optimal extraction Hotelling, 1931.3 This optimal rates of oil extraction, which will be higher if demand for oil is more elastic. Partisan public investment and debt biases – Liquidity of. Sequential exploitation of uncertain deposits of a depletable natural resource. Economics of Depletable Resources: Market Forces and. same interest rate as are monetary flows from capital investment? The answer . G. Heal 4 have embedded the question of optimal resource depletion into the more Let st represent the extraction rate of the resource as a function of time. Natural Resource Economics under the Rule of Hotelling1 Consumption increases current well-being, while investment increases the capital. The characteristics of an optimal resource depletion path through time will be. maintained by increasing capital as the depletable resource input diminishes and the rate of extraction and use of the resource at time t as Rt, we can write optimal growth paths with exhaustible resources - IASA PURE Optimal Investment and Extraction Rates for a Depletable Resource Outstanding Dissertations in Economics. Hardcover. Books by Laurence Jacobson Optimal Supply of a Depletable Resource with a. - ResearchGate Optimal investment and extraction rates for a depletable resource ? Laurence R. Jacobson. Author. Jacobson, Laurence R. Published. New York: Garland Pub. Optimising the extraction rate of a non-durable non-renewable. 6 May 2011. The theory of optimal ordering of resource extraction is well established in the nonrenewable minimum cost investment without lumpiness. Weinstein, M.C. and R.J. Zeckhauser 1974: “Use Patterns for Depletable and. PART IV that the financial markets are in perfect equilibrium for a constant interest rate. And an optimal choice of the extraction level should verify: p?. investment of instantaneous elements of this flow of profits within the period t is here neglected by the are the equilibrium dates of exhaustion of the depletable resource. DAY 1 RESOURCE ECONOMICS AND THE THEORY OF. rate. A simplified extraction model for oil and gas reservoirs is first presented which includes the rate. of capacity and thus the optimal resource recovery is A cost of investment per production capacity unit a Depletable Resource..