

Variables

<i>A</i>	Pollution abatement
<i>AC</i>	Average resource extraction costs
<i>C</i>	Consumption Cost function
<i>D</i>	Resource discoveries
<i>E</i>	Harvest of renewable resources
<i>F</i>	Production function
<i>G</i>	'Human induced' growth of renewable resources
<i>GS</i>	'Genuine saving'
<i>H</i>	Hotelling rent Hamiltonian
<i>K</i>	Stock of man-made capital
<i>L</i>	Labour
<i>M</i>	Stock of human capital
<i>M_E</i>	Share of energy in total production costs
<i>N</i>	Investment in human capital
<i>P</i>	Stock of pollution Price
<i>R</i>	Resource depletion
<i>RC</i>	Resource receipts
<i>S</i>	Stock of non-renewable resources
<i>SI</i>	Sustainable income
<i>T</i>	Time variable
<i>U</i>	Utility function
<i>X</i>	Stock of accumulated resource discoveries
<i>Z</i>	Stock of renewable resources
<i>a</i>	Natural growth function (renewable resources)
<i>b</i>	Natural restoration function (pollution)
<i>c</i>	Exponent in production function
<i>d</i>	Exponent in production function
<i>e</i>	Exponent in production function
<i>f</i>	Expenditure function for non-renewable resource extraction
<i>g</i>	Expenditure function for resource exploration
<i>h</i>	Expenditure function for renewable resource harvesting

i	Expenditure function for pollution abatement
j	Expenditure function for investment into human capital
k	Rate of 'resource augmenting' technical progress
m	Rate of Hicks-neutral technical progress
n	Reserves to production ratio
p	Exponent in production function
q	Exponent in production function
r	Rate of interest
	Discount rate
s	Exponent in production function
t	Time index
u	Average rate of consumption growth
v	Parameter
w	Parameter
z	Static reserve index
π	Profit
σ	Elasticity of substitution
α	Elasticity of output with respect to man-made capital
	Parameter
β	Elasticity of output with respect to non-renewable resources
	Parameter
γ	Conversion factor converting production into pollution units
λ	Shadow value of man-made capital
	General Lagrangian multiplier
μ	Shadow value of the stock of non-renewable resources
ω	Shadow cost of the stock of resource discoveries
ϕ	Shadow value of the stock of renewable resources
ψ	Shadow cost of the stock of pollution
ξ	Shadow value of the stock of human capital
ρ	Pure rate of time preference
η	Elasticity of the marginal utility of consumption
Γ	Lagrangian