SYMBOLS

Symbol	Meaning	Chapter
a, b	individual economic agents	4–6
α	production coefficient of the Cobb-Douglas production function	4, 6
β	scaling factor of the production function	5, 6
C	consumption	4
c	additional cost of renewable energy	6
$\mathscr{D}$	distribution over parameter values	2, 3
d	dynamics that change the production function	5
δ	rate of deprecation for capital and technology	4–6
E	energy investment sector	6
$\mathscr{E}$	net effect of a strategy on growth;	5
ε	revenue tax on income to fund climate policy	6
	fund financed by the environmental tax	6
F	capital accumulation in the fossil energy sector	4, 6
$\mathscr{F}$	fitness of a strategy/agent	6
f	P[agent mutates its strategy]	4
ϕ	breakdown fraction of greenhouse gases	6
G	level of atmospheric greenhouse gases	6
g	P[agent imitates]	4
γ	income growth rate of an agent	5, 6
h	Shannon entropy of a distribution;	2, 3
	threshold rank of imitated peers	4
i	index of a capital sector	4–6
K	capital accumulated in an investment sector	4–6
k	number of parameters;	2
	number of peers of an agent in the social network	4–6
L	technology	4
m	number of parameter vectors that form the REVAC table;	2
	number of renewable energy sectors	4
N	neighbors of an agent in the social network	4–6
n	number of parameter values that define a distribution;	2
	number of capital sectors	4, 5
P	population of economic agents	4–6
p	price of investment;	5
	probability that an agent is reached by advertisement	6
π	production coefficient of the Cobb-Douglas production function	5

Q	income without global warming	6
q	number of agents that receive a prize or are advertised	6
R	capital accumulation in the renewable energy sector	4, 6
r	rank of a strategy in a group of peers	4
ρ_f	threshold rank for mutation	4
ρ_g	threshold rank for imitation	4
s	investment strategy of an agent	4–6
σ	variance of the mutation operator or diversity control parameter	4–6
t	unit of time (usually financial quarter) in the discrete time model	4–6
τ	regulatory tax on investments in fossil energy	6
υ	sensitivity of economic growth to G	6
W	welfare of a population	4
w	amount of smoothing applied to a distribution;	2
	imitation weight	4
$\vec{x}$	vector of parameter values	2
Y	income of an agent	4–6
z	learning rate	4
ζ	factor that combines several monotonic transformations of the production function	6