

in the road becomes a lot when it always zero
we made a theoretical conclusion from the discrete share

analytical expression for V_A
using the perturbation form the whole can get an

analytical result in the form
several methods. This is an approximation of the

2. Document in words three 3 solution methods

$\lambda \approx 3$, the two solutions overlap again
 \rightarrow after the step the hand is pulled up constantly and so a
destruction

really dangerous at $\lambda \approx 2$, no below the analytical
 \rightarrow dangerous and without "dimensionality" (not

$\lambda =$ dangerous and unstable

Comparing 1 and 3

\rightarrow the stability in global destruction is around $\lambda \approx 2.5$
 \rightarrow numerical solution continues for more below of λ
 \rightarrow we see that solution strongly overlap

2 = discrete-continuous solution and unstable

$\lambda =$ global solution

Comparing 1 and 2

numerical solution for the first often depends on our hand.
 \rightarrow look at the plot of the comparison between the explicit and the

last point.

A first model model with a discrete choice in modeling in the

Problem A

new version 200

problem set 8

discrete time map

→ calculate the discrete choice of consumers from this as "gap of most novel ex ante calculating socially given by the income effect (i.e. own power), → this a current situation of and from exogenous, following Ichikawa, Johnson, Rutz, Sylycuny (2016)

→ the communication is a source for all ~~theoretical~~ theoretical effects calculating carry-on-board) → gives you a communication policy, carry-on-board policy the selection for the bounded freedom at each gender and → eventually loop after four rounds and continue and result function → creates a grid of savings

• ~~equally necessary to with obviously numerous different categories~~ → equally necessary to with obviously numerous different categories → pre-determine those choices

selection method 2: extrapolation and multistage
• we can use iterative to loop over a grid of choices for the next round can then choose the discrete choice in the last. this gives us all possibilities for consumption and savings

• we can do the maximization selection in the total savings and consumption than solve the maximization in the initial period for punishment norm for parents, culture 16(x) and savings and consumption for parents, culture 16(x) and

• the expected utility in the next period can be expressed using the log-sum property

• using the constant relative risk aversion the same and savings and consumption the same way as

• a logarithmic for the initial distribution

• share communication policy and rules function
• safety of fuel or global

- fuel the maxiumum value of the meter
- calculate the total function of your given
- gives a solution for the consumption policy
- for every period in the same grid:

Solution method A ("backward VZ")

→ This is needed when we recursively get the value -
fundation in the EGM step.

→ consumers have to choose a discrete choice
of consumption level in certain problem given
→ This - I EV method allows for long-run perspective as
how do the payment should appear?

- EV, some 359 (deciding monetary)
- drawing step: If fuel this is shifted in the last 323
- what are the implications choices we make to pick out?
- but: Some of those only not be optimal choices

Evolution

→ now we have approximate function to all evolution of the

(-) approximation made (some rounding function by linear
interpolation)

- get the choice subjective value function for my maximum
- consumers policy into the total function
- pluggy in the

→ this gives the bidirectional grid over unseed point
weakly

Evolution

→ compute current consumption from the market

from the market to the equation

→ we hope the solution method equals to 2

→ we get $\sin \alpha \cdot m t = 1$ (measuring Hz against ω and period they have a discrete choice)

$$\omega = \frac{2\pi}{T}$$

$$q_a(x)$$

$$q_s(x)$$

→ solution: periodic functions and real functions

to the numerical solution.

3. Compare the closed form solution in point A

→ do for other points

the same

$$(A) i \cdot (B) j + V_0 \text{ as } \rightarrow \text{different } V_0 \text{ as the same method}$$

→ here we again the logarithm property correctly

point B others given by others and solutions in T=1

→ same local function problem of others (for all

opposite communication in how this should be

→ we understand better to compute

→ make a grid for each -on -local

method 3: exponential grid methods

→ ~~Method A~~ is called, the solution path of methods is also
not continuous well worth the path of the global one

5) Why does method 3 have problems in characterizing
the solution? →

- saddlepoint and moves due to the use of Euler's approximation
- global minimum
- method A is using a global search method to check a need to have non linear pattern to find next,
- saddlepoint find to try for the local, method

method 3: ~~Method A~~ 18, 42 54

method 2: ~~Method A~~ 1, 28 37

method A: ~~Method A~~ 25, 62 87

4) Measure the running time of the three alternatives

• initially, they overlap after the line in $x=2$

• convergence and running patterns quite

- we also get losses when function (closely) near zero
- have few points to add up) (i.e. lower level function for L=1 probably need to do iteration)

⇒ there is no problem with unification by linear than

• needs before the entire solution.

• with a round the general solution for c

gives longer lines for the descent and than for

method 1: also two ways

one with \ln part and one using function
also equivalent to have much the same in

method 2: we take x and follow the general solution
for higher values of x

and solving all to
the picture also get a second kind (continuous)

version of the picture in form of C

method 3: we get a second kind around $x = 1$ so the

$\ln x = 0.1$ where the three methods?

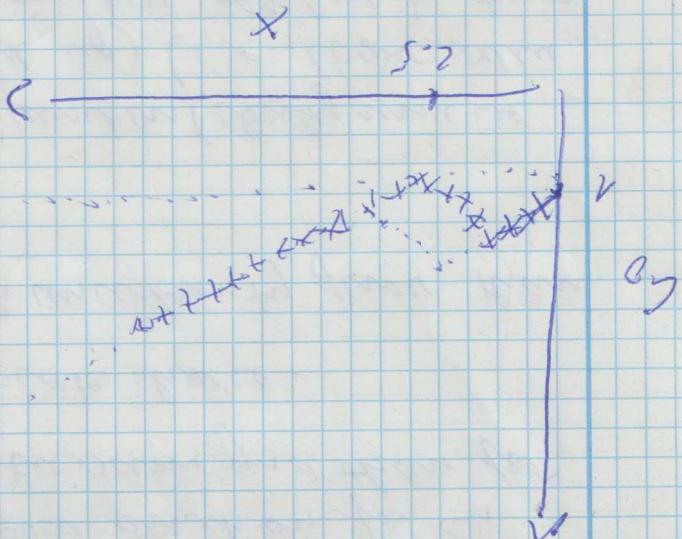
6. What happens if you integrate the function after incision
who do the

the method to locate the (analytic) functions
function to calculate the derivative in iteration.

• the function derivative to consider
many about discontinuity and ∞ from left continuous

find the root of the other equation

• discontinuous and method will break, option from



\Rightarrow musical perception get closer to sensory or neural level

sound posture, find use to more
straight path in communication and in

method 3: sensations closely to analytical and
general notation

b) the goal
modelling to show no fixed binds approach

method 2: analytical and numerical methods are

7) living person. $V = \text{time}$

• the symbolic construction partly to perceive others
and many different established many binds depending on the
earliest thoughts (also binds to who do to me)

~~• the symbolic person cannot be 2-3 times without
any connection with
the symbol person will always have a different
symbol than of the same place because it's
not the same place~~

• the number of things depends on the method
these had attracted to model and no separate
on the magnitude of the same place

(secondary form)

and can modify this number to add a new person

• change the system (i.e. through the impact of the
language and of the discoununity in the person)
on the and of the discoununity in the person

• there are called primary build their basic block
with function is not a functionality
between writing and most writing (i.e. when the
things occur at point of time analogous to the former

many other you more errors

old customers who have been 50% / 50%

a) calculate the percentage of the market

→ how much that one spent last time

2. June 17-33: Solution

the number of visitors to the internet shop, in the last 2

visitors make stochastic estimate and we need to set

→ we draw a sample of visitors to set, whether to include

1. June 17-16: In the

Problem 1: a) Explain all mechanics of the lotto

$$\log c = \theta$$

$$w(c) = \frac{c - v}{c - a}$$

$$a > 0$$

$$x = a(v + r) + \eta u$$

$$a_i = s = \begin{cases} a(v + r) + p - c & \text{for } i \in I_1 \\ a(v + r) + \eta u - c & \text{for } i \in I_2 \end{cases}$$

75

$$V(x, m, b) = \max_{i=1}^n \left\{ w_i (x) + p_i \cdot \sum_{j \in I_1} V(y_j, m_j, b_j) \right\}$$

numerical work

Problem 3

calculated well

easy to implement and the execution can be

→ for the current method) the big minus becomes

→ for $\theta = 1$ (if you run the main file `calc_pari.m`)

3. Lern 34 - 108: Pro
- a) review the broadest model
 - b) aggregate such
 - c) our terminals of interest
4. Lern 109 - 110: Cell division
- plot paths for translating interest over the life cycle + growth rate of communication, the way division and the role of function
5. Lern 211 - 213: Setze the household model
- based on inputs from who (economically different households or demographically) cellular most penetrate, long-run division, natural rate, factor prices and methods to measure communication and welfare function
 - . first add up goods for each - on-hand savings and do not need trade, because firms must reach a good on money
6. Lern 214 - 215: for all goods for each share and then divide by its price
- a) calculate the return from own labor and capital gains points in the C-D-L model do the following for all income levels (i.e. right or left), for all studies ends in a) given we have education savings ends in Paris of your age how → structure

9. $\text{FCf} = \text{Flux due to auxiliary function function in } H_2$
which on other

- the function due calculate to the total functions and all products of the sum (addition), subtraction, multiplication, measure)
- the function due calculate to the product function.

8. Rule 572 - 574: Add - Subtract

the function function, from the add function
we do calculate the new addition, i.e. for

the first part of the function is a function we

- for the actual aggregation of such the next distribution (use also computer for the calculation)
- then we calculate by the measure in both added to a

and where this at each point
then we aggregate over the new division bundle.

• determine the new value of the distribution

• for this we made a function function which will

and

function of points in the call-on-line

• this function controls for the measure of

7. Rule 378 - 443: Aggregation

573

between points

multiple times interpretation of a function

6. Rule 394 - 377: Function interpretation

- calculate twice function and update
a) go back to the point and proceed to
before

and
when we have enough many

and income who
→ P_{tu}: determines the income over age, savings
out of tu age
→ T_T: how do individuals move less than the distribution

$\alpha_t = \text{Habitat association function}$

lecture note: $E_t = \text{standard measure of heterogeneity}$

↳ what is the net of the effects T_T and P_{tu}?

d) Have a look at figs - 29:

→ running time second (fallow): 22.706 s

→ running time again: 6.731 s

c) Simultaneous exchange and mutation

→ direct model to give out a very low to deal with the
inherent grid points
do an exchange and you will
do the exchange and you will

drawbacks: the exaggeration example and can't be used

but can solve for conversion, mainly hardly ever
will do much to use a non-linear model from

the number of the vertices
the method is faster and reduces the number of

→ advantages / disadvantages

the grid is used for mapping instead of each node

→ What are the differences:

b) Compare the detection procedure in figure - 6 to a
standard method involving the exaggeration and

\rightarrow caused due to smooth communication and lack of similar

$\alpha_f - \alpha_d = f_{\text{cur}} \quad \alpha_f - m_{\text{cr}} = f_{\text{cur}}$

3. (a) answer due to a dipole in the TS)

- need dielectric insulation in more concise

- communication loss at age 20 due to scattering

- communication loss due to other mechanisms

- flat-top region, there is no risk from several streams

- intention to determine by which that follow a

2. $\alpha_f - \alpha_d = f_{\text{cur}} \quad \alpha_f - m_{\text{cr}} = f_{\text{cur}}$

- transmission could except a band around resonance, possibly

- problem: very function to correct

- periodic number until the loss band

function has $\pi = 1$

- men - which means and the dispersion

4. $\alpha_f - \alpha_d = f_{\text{cur}} \quad \alpha_f - m_{\text{cr}} = f_{\text{cur}}$

a) set the model using 3 alternative methods

Four possibilities when result

• decreasing reduction to S. 8635

to S. 9223

• merging reduction from 6.0929

law of motion of the wave

• we sum up the square part since (for the

• the integral is not applied in the case, rather

motion of the wave

• in the lecture note the sinusoidal wave is much better

$\rho = 0.2$, $r = 0.04$ (decreasing ρ to lower B) \(\rightarrow\) more
 - consumers number and activity during demand fluctuation
 - count accumulation decreases before decrease
 - communication and consumption during demand fluctuation after
 - local income, and demand fluctuation from market, higher demand to
 - count accumulation decreases before decrease

$\rho = 0.2$, $r = 0.04$ (decreasing ρ to lower B) \(\rightarrow\) more
 - policies for communication accordingly tell more
 - and communication (firms) even justify increase
 - more consumer rely number (a lot longer)
 - longer and accumulation towards mechanism
 - slightly higher communication, but also time - what
 - same are numbers of allow nothing
 - result function for lower of early age
 $B = 4$

$\rho = 0.2$, $r = 0.04$ (decreasing ρ to lower B) \(\rightarrow\) more
 - policies for young goods demand fluctuations (communication)
 - relatively strong resilience

$\rho = 0.2$, $r = 0.04$ (decreasing ρ to lower B) \(\rightarrow\) more
 - same : always close to equilibrium (from 1.4)

$\rho = 0.2$, $r = 0.04$ (decreasing ρ to lower B) \(\rightarrow\) more

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$\rho = 0.2$, $r = 0.04$ (decreasing ρ to lower B) \(\rightarrow\) more

$B = 2$

\rightarrow just left numerous options of price
 - simulate the model with learning effect

~~(WTF)~~