-> chap 2 was all about being what the consumer can extend

(I

- This chapter us about what the consumer would Dile to consume

Defund beforence

> preferences one one consumption bundles > e.8- (X, X2) -> e.8 (p1770, beek)

as how desired for classes of smith a something (e.g. beer), but by something of a given place, at a given time, on a certain state of the world

-> Mapazian.

+ strictly brefore: (X1, X2) > (81, 92) ~ (x1, x2) as strictly preferred to (vs., vs.)"

- molylience. (x,, x2)~ (61, 92) - The consumer in malibration blown (X1, K2) and (151, 152)

- makly prefero. (X1, X2) & (91,42) - "The consumer prefers or is indifferent to (x1. x5) compared to (1/1. 45)

Assumptions about profuences:

an consumero, bustances of consumer years.

1) Completeness

- -> We assure that any 2 bundles can be
- > I.e., (so any x-bundle and y-bundle, it must be that (x, x) = (y, y ≥) or both

2) Reflexivity -> Any bundle is at least as good as itself -> (x, x2) \(\frac{1}{2} \) (x, x2) \(\frac{1}{2} \) any x-bundle

3) Transmirity

- → If (x,,x≥) = (y, y≥) and (y, y≥) = (7, ₹2)
- → I.e. ib X at least as good as X and Y at least as good as Z. Then the consumer at least as good as Z. Thinks that X is at least as good as Z.
- -> Are these reasonable or strong assumptions?

 -> Are these reasonable or strong assumptions?
 - > Reflexivity is toured

 > Transhirety is tought and layer

 > not matter of gure layer belower

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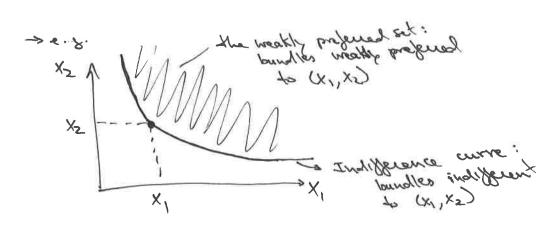
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Indifference Curves

- indifference curves are a concept that will help his consider obscribe prefuences graphically and analytically
 - An maliference carre is the boundary of the weathy preferred set of consumption of the set of consumption of the burdles the consumer in maliferent between



-> Note: our 3 assumptions on programues ensures
that indifference curves can't cross each other
(see text p. 37) for proof

- Peulper Substitutes

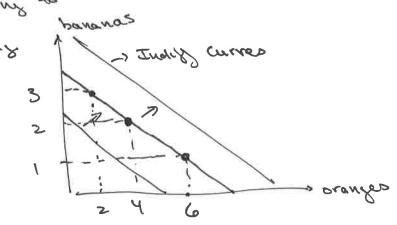
adultitedos de gentilia in remaines el esabetitade between goods at a constant vote

- Note this rate doesn't have to be

- The rate being constant means that it doesn't change as the quantity consumed

agnores about at juilling growle in one 8.00 you one banana, is make how many manys or banoares she consumes

- Graphically, the mily curves for perfect substitutes on the straight lines with a stope allemined by the rote at which the consumes is willing to substitute goods.



- This is where the consumer always wants to consume apado togodher in a gixed proportion - Note, this properties obesit have to be 1-ger-1, just gixel (i.e. Adoesn't change as on total quantity changes? - The name comes b/c the goods complement each other a) e.g. shoes one always wants than IN the proportion of one left shoe to one right shoe

= Graphically - the indiff curves will have an "L-shape" with a restex at the preferred proportion or ratio of consumption of one good to the salls.

nght shoes were left 2/000 die is were apply -> Less shoes

Not 1-1-1 ratio " Peons Buter (465) 3 Books

→ Bools are goods a consumer observit 2/1/ce - So a conumer would have to receive more of a "spood" to be compansated for having more "bad"

- consider e.g. or quepas jobs

-> note how indifference curres slage → b/c more >> band and more of remand appel ment in diff directions

aloce and a colo

- Newhood goods are goods that the consumer alsospil care about one many or the other

- more of a newbral good win't bother or worse

- inall curres -> rectical since
more/less
more/less
something
something



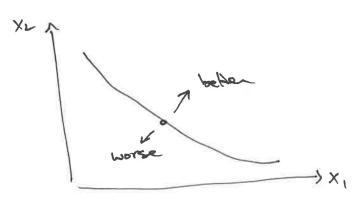
when we talk about well-bahaved profuences, we are talking about profuences that exhibit:

a) Moustinist): more in balks i.e. (131,192) & (X1,X2) & 13,3X1, 1323X2 and (1312X) or 1322X2)

- more might not always be better, but the intermedian question about contamption in better where more in better one in the range where more in better

Nave a negative stope

Mary many who are and left of the course of

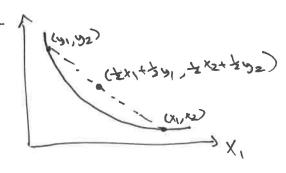


b) Arriages are preferred to extremes

Take 2 bundles; (x1, x2), (61, 62) then

(\frac{\fr

- graphically:



wath termino 1000'

> math termino 1000'

> math preferences like this "convex or set where found two points

> b/c@ a convex set us a set where or shrely live blum and two points

a shreldline blum and two points

a shreldline blum endirely

in the set like endirely

where a sine blue and 2
where a sine blue wealth profued
points in the wealth profued
set also sies as

Examples:

And the proof proof proof proof proof proof proof proof

Special ise where of the formand on the forman on the forman was convex on the formal by now convex washed by man convex frequences

profesences where the weighted and in strict convexing of

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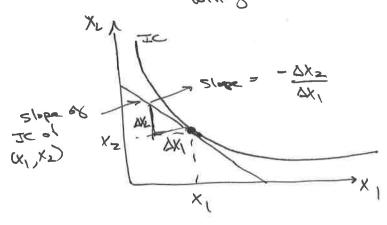
(+x,+(1-+)91, +x2+(1-+)192) (11,192)

(+x,+(1-+)91, +x2+(1-+)192) (11,192)

The mangined rate of substitution measures the rote one and which the consumer is willing to substitute one good for another

supplies the state of the wall come is the sand!

b. So the change in X2 as you change X, and more along the indiff contre gives you the rate the consumer is willing to substitute X, you X2.



- recell, in manadonia preferences, mps & D

-> consider a rate of exchange E

-> consider a rate of exchange E

-> consumer gives up dx, units of good?

The gets Edx, units of & good?

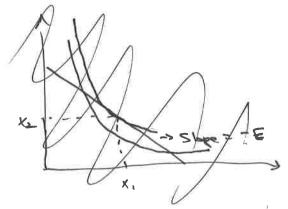
and >> the gives up dxz units of

and >> the gets dxz units of

good?

a consumer point app po mare along

when mould consumer many to remain of (X' 'Xs)

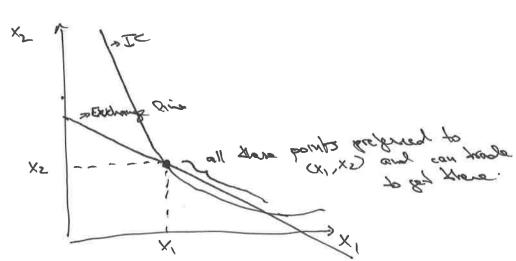


JE preferences monodonié and convex then

is simples exchange line crosses

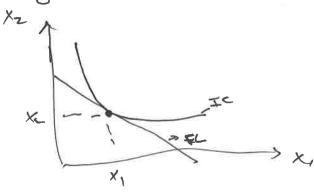
the Je the consumer would want to

more



=> 50 18 at (X, X2) and face exchange that se that which to IC:

exchange him tampet to IC:



→ EL just bushes IC

→ Hay one tangened

→ Hay have some stope at

Heat pariet

→ MRS = - E

Land point @ MRS

I for Courex prefuences, the MRS

With diminishing

Sheet of the State of the