Individual and Bilateral Surpluses from Trade

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Otility Jundian. U(C) $\frac{m}{p}$ = $\frac{X}{1+X}$ C + $\frac{1}{1+X}$ $\frac{(m)}{p}$ $\frac{\xi-1}{\xi}$ Manginal utility of services:

- 1/2

- 1/2

- 1/2 buyer takes away from Frade Marginal uvility of morey.

Du = 1. \(\frac{z}{2}\) \(\left(\frac{m}{P}\) \(\frac{1}{P}\) \(\frac{1}{P}\) \(\frac{aggregate price level}{eq}\) Fa a knansa dian at price p (price norm), utility is $P^{n} \cdot \frac{\partial u}{\partial m} = \frac{p^{n}}{P} \cdot \frac{1}{1+\chi} \cdot \frac{\xi-1}{\xi} \cdot \left(\frac{m}{p}\right)^{-1/\xi}$ All households hold y units of money, so seller experience atile by $p^n \frac{\partial u}{\partial m} = \begin{pmatrix} p^n \end{pmatrix} \frac{1}{1+x} \frac{5-1}{2} \cdot \begin{pmatrix} \mu \\ p \end{pmatrix} \frac{-1/2}{2}$ Jan trade. If there was no trade (required to compute soughus). selle, gets o.

 $B = \frac{1}{1+x} - \frac{\xi-1}{\xi} \cdot \left[\left(1 + \tau(\pi) \right) \left(\nu | e \right)^{-1/\xi} - \left(\nu | e \right)^{-1/\xi} \right]$ $\beta = \frac{1}{1+\chi} \cdot \frac{\xi-1}{\xi} \quad \tau(\chi) \cdot (\chi/e)^{-1/\xi} \quad \beta > 0$. selle surplus. 5 > 0 Con clusion. · buyer sur plus. BDD . total sur plus from makels, T-S+B>0