Aggregate Demand in the Heterogeneous-Agent Model

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Aggregale dem cend Household , pundrases $y_i = \sigma(x) \left[f(x) R_i + \nu_i \right]$ $\sigma(x) = \frac{x^2 \left[1 + \frac{1}{2}(x)\right]^{1-\frac{1}{2}}}{1 + x^2 \left[1 + \frac{1}{2}(x)\right]^{1-\frac{1}{2}}}$ $\sigma(x) \quad 1's \quad \text{the } MPS \in (0,1)$ Total amount of services purchased. J = 5, 3, $= \frac{1}{6} \left(\frac{\pi}{2} \right) \times \left[\int_{0}^{\pi} \left(\frac{\pi}{2} \right) \frac{\pi}{2} dx + \int_{0}^{\pi} \frac{\mu'}{2} dx \right]$ $= \frac{1}{2} \left(\frac{1}{2} \right) \times \left[\frac{f(n)}{n} + \frac{p}{p} \right]$ $= \frac{1}{2} \left(\frac{1}{2} \right) \times \left[\frac{f(n)}{n} + \frac{p}{p} \right]$ $= \frac{1}{2} \left(\frac{1}{2} \right) \times \left[\frac{f(n)}{n} + \frac{p}{p} \right]$ aggregate quantitry
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supply . Sany's Law: supply weaks it's own demand . When Say's Law holds no proper concept of aggregate demand.

Because & CI Say's Law is broken (supply doe not neare its own demand entirely) is only a fraction (oc) of pupply box comes demand MPS _s we have a proper concept of aggregate demand. Why is Say's Law broken? Because & <1, which io be cause X < p (finite), which is because real wealth enters the wholity Jundian $U(C, m) = \frac{X}{1+X} \left(\frac{\xi_{-1}}{2} + \frac{(m)^{\frac{2}{2}}}{1+X} \right)$ = 1 if X = 0 = 0 if X = 0To break Say's Law: house hold must calm something else than consumption -> here it's real wealth. From aggregate demand analysis y = = (x) [ys(x) + N/p]

Marginal proximity to spend (MPS) 6 (n). decreasing w/ n 4 (x)! aggregate ougely = real income increasing w/ n Two counteracting force, hard to know whether output of more or decrease w/