The Welfare Effects of Ticket Resale

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Welfare Effects

Voluntary transactions

Reallocation of goods to high value consumers

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Pareto improving trade

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Voluntary transactions

Reallocation of goods to high value consumers

Pareto improving trade

- Two complications
 - 1) Initial allocation in resale market is endogenous
 - 2) Brokers create & capture value



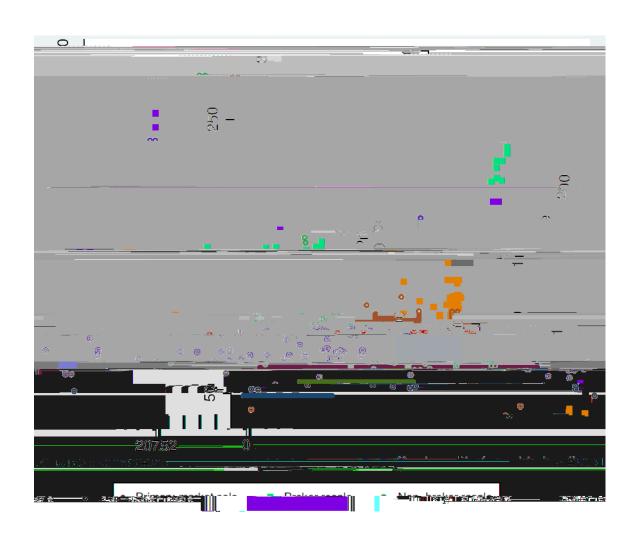
Complexity of Welfare Consequences

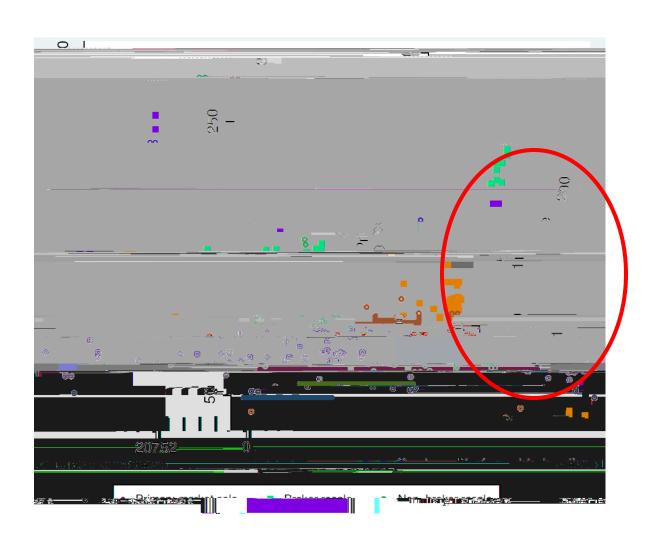
- 1) Resale reallocates tickets to people with highest values
- 2) Resale increases prices paid by attendees
- 3) Resale generates profits for brokers
- 4) Consumers may also profit from reselling
- Resale causes some people to buy in the primary market who otherwise would not have (possibly increasing primary market sales)

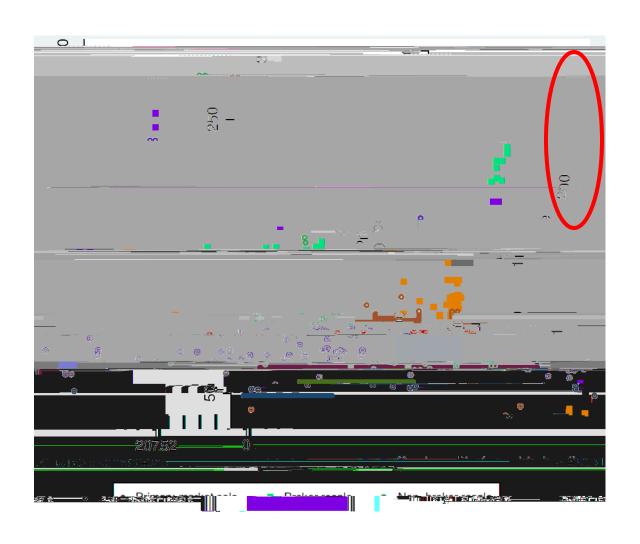
6)

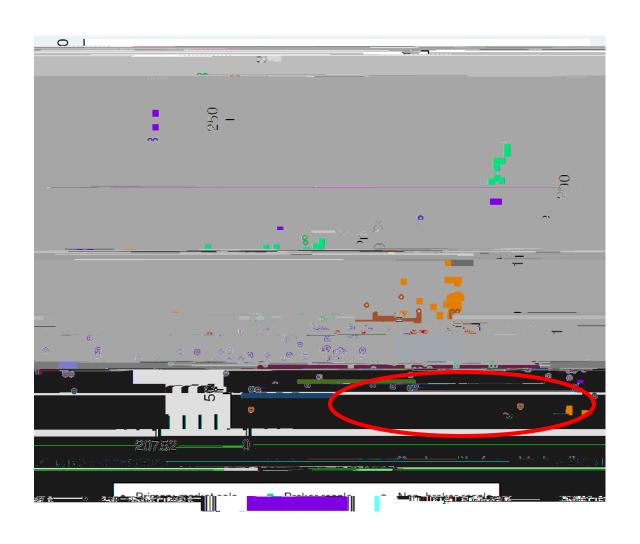
Preview of Structural Model

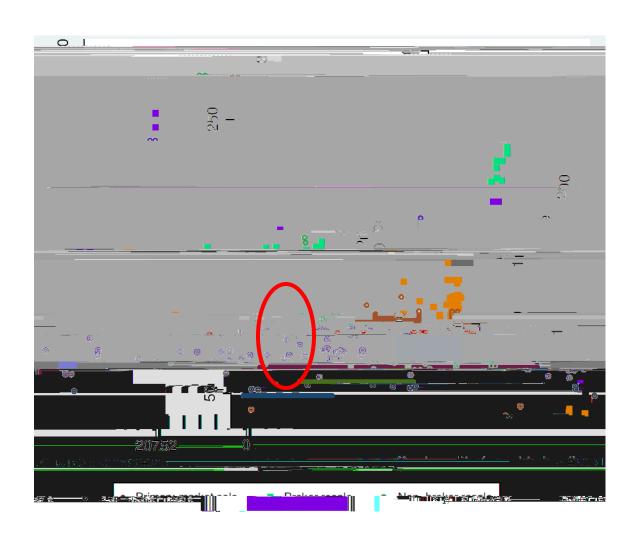
- Two periods
- Buyers are either brokers or consumers
- Buyers have rational expectations of secondary market equilibrium
- Frictions in resale market:
 - Transaction costs (different for brokers & consumers)
 - Random participation in resale auctions
- Uncertainty about overall level of demand in primary market

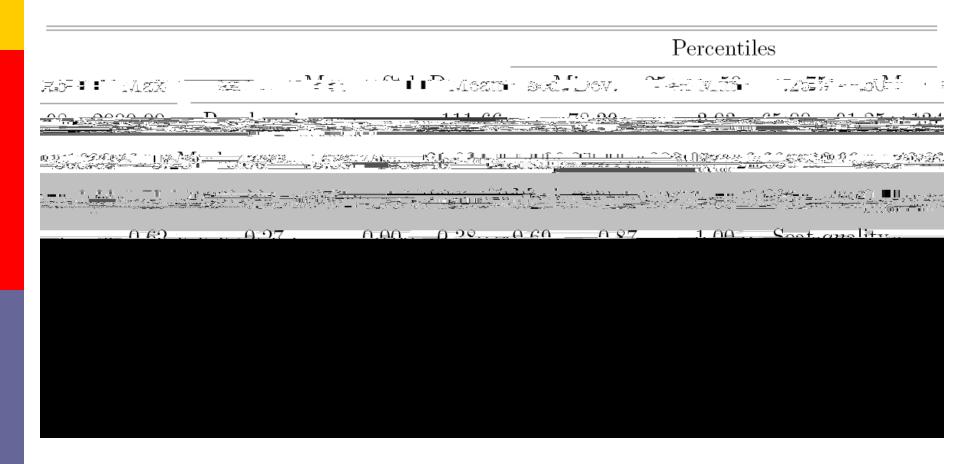


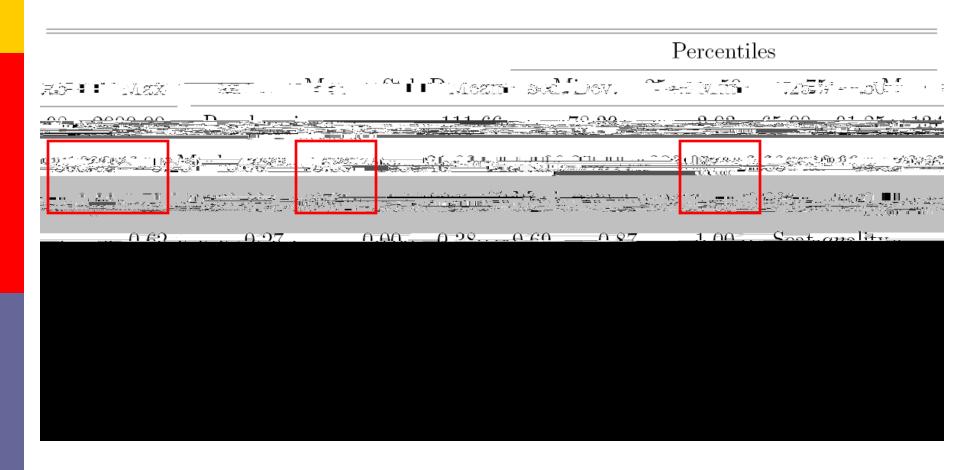


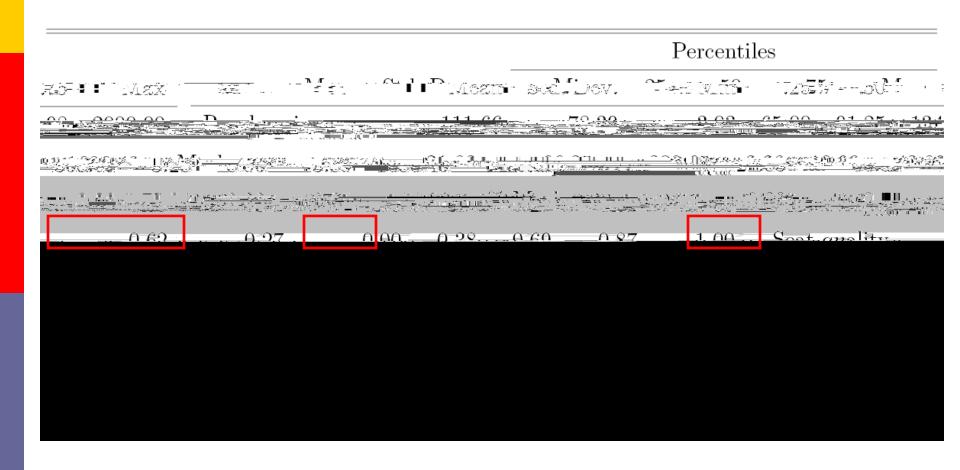


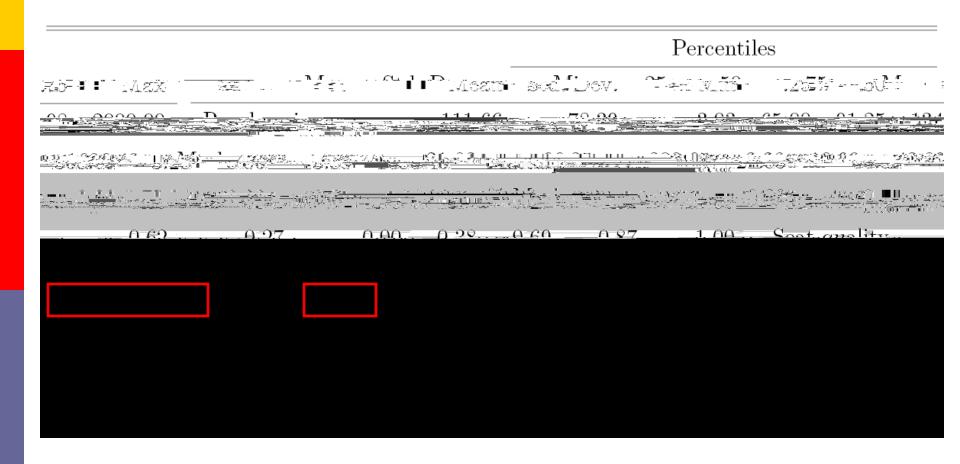


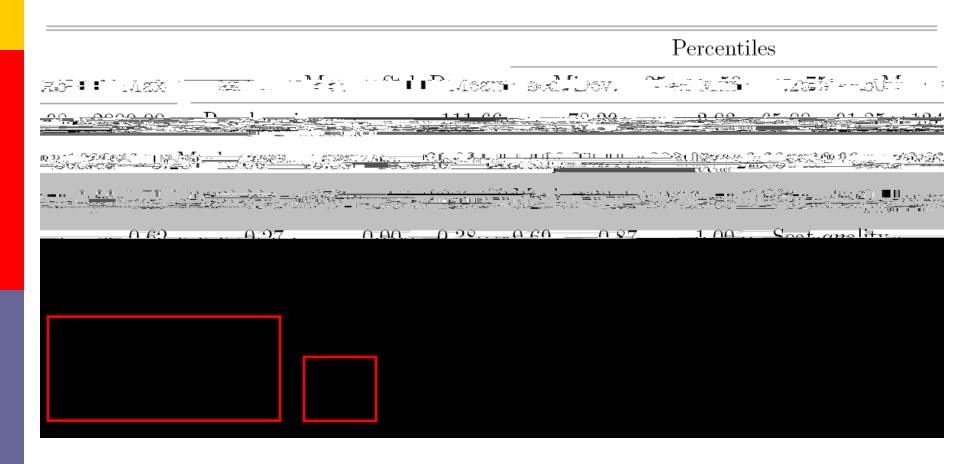




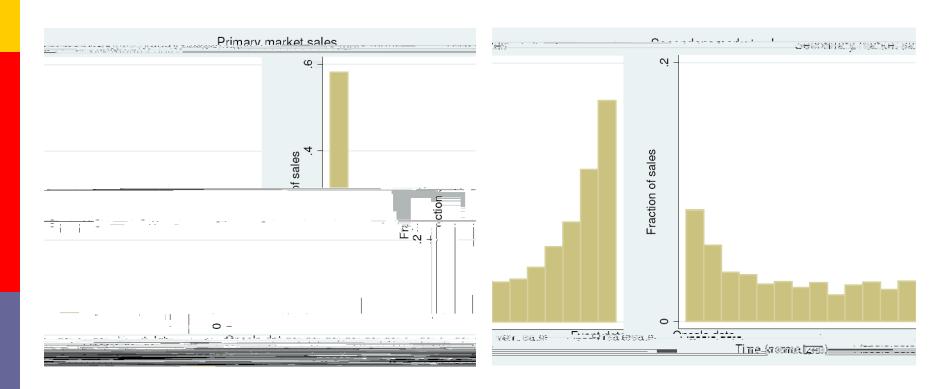








TransSion Timing



Model Overview

Period 1 – Primary Market

Brokers & consumers arrive in random sequence

All have expectations about resale value of each seat

Consumers vary in WTP for themselves

Period 2 – Resale Market

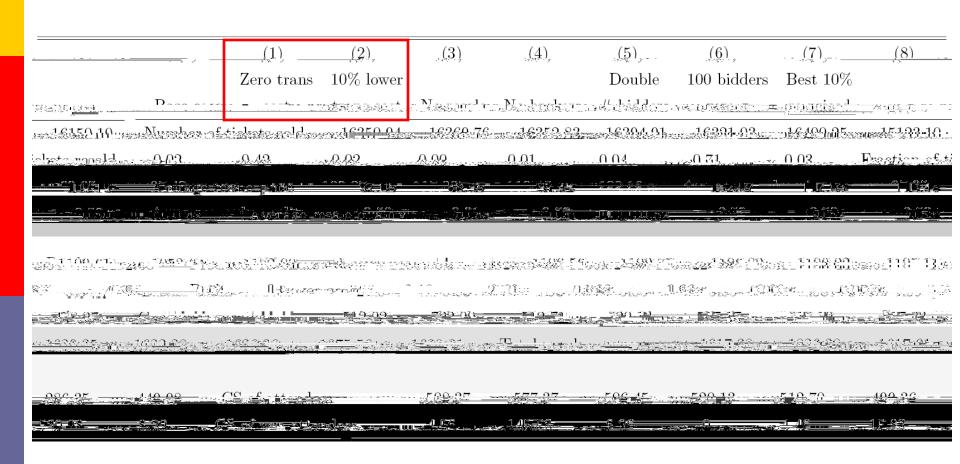
Start with an initial allocation among brokers & consumers

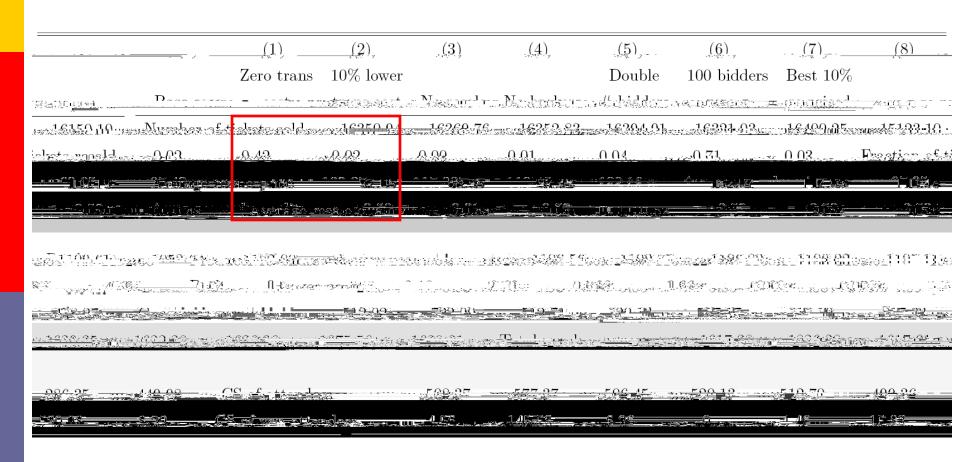
Sequence of auctions with random participation

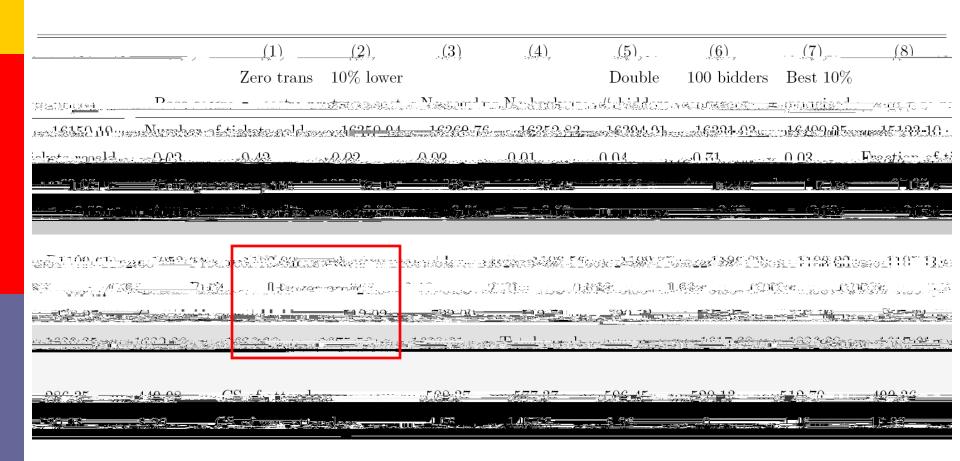
No option to return to primary market

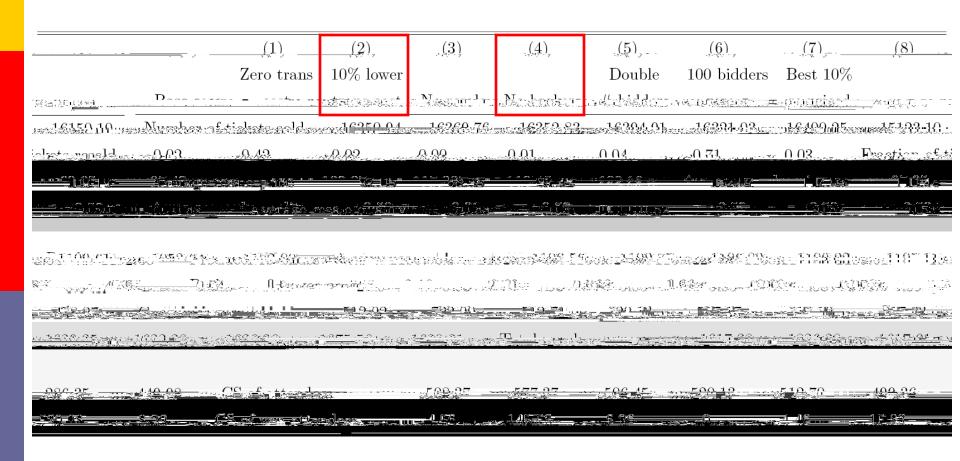


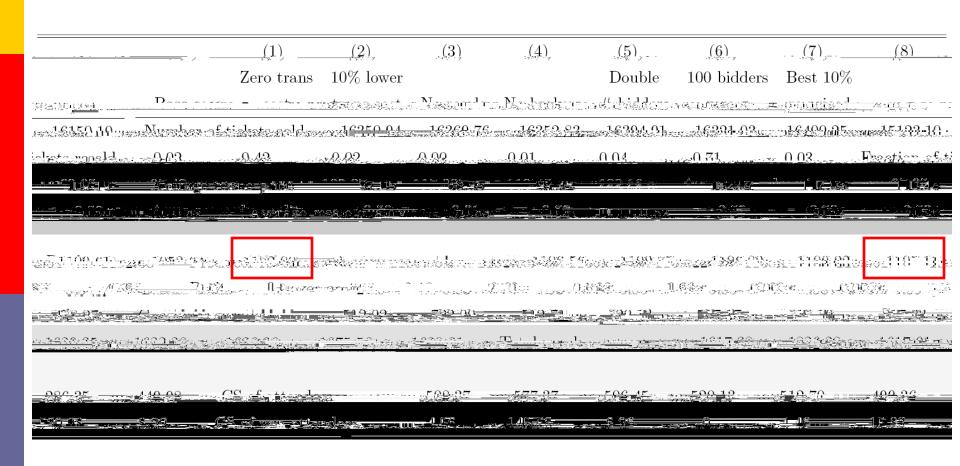












Conclusions

- Coarse pricing in the primary market is a (the?) key driver of resale activity
 - As artists utilize more sophisticated pricing, resale activity will diminish
- Resale markets redistribute surplus in subtle ways
 - Observed levels of resale activity not large enough to make a big difference to overall welfare
 - But large reductions in transaction costs would generate substantial gains in total welfare
 - With near-frictionless resale markets, consumers who attend the events are the biggest losers