Comments on "CATs and DOGs" by Carsten Eckel and Raymond Riezman

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Quick Summary (1)

Carry-Along Trade (CAT):

A manufacturing firm, which exports its own final goods, also exports final goods that are fabricated by other manufacturing firms.



Delivery of Own Goods (DOG) :

A manufacturing firm **directly** exports its own final goods.





Quick Summary (3)

- Providing a simple and a reasonable theoretical foundation to explain the emergence of CATs.
- Results are consistent with empirical evidences.
- Discussing welfare consequences of CATs.
- Extending the simple duopoly case to a more general oligopoly case with *N* firms.

The paper sheds new light on the literature of CAT by considering a strategic interaction b/w firms and the internalization of demand linkage.

Comment 1: Mistakes in core expressions?

- Prop. 5: ... quantities exported are higher in the CAT mode when products are complements and lower when products are substitutes.
- Prop. 6: ... When products are substitutes, CAT prices are higher than DOG prices.
- Cor. 3: When products are substitutes, consumer surplus <u>falls</u> (through CAT).

These expressions are correct only if $z \leq 1$.

Export-enhancing, price-decreasing, and consumer benefitting **CAT** is possible even if goods are substitutes!









Comment 5: Parallel imported goods supplied by CAT?

- In this model, a firm cannot conduct CAT unless it agrees with another manufacturing firm.
 - We observe CAT if it increases the joint profit of the two firms.
- A firm can purchase the rival's product in the domestic market and exports it to the foreign market <u>without the</u> <u>authorization of the original manufacturer</u> (i.e., pallarel trade), if it makes the profits.
- The existing literature has not considered the case where rival manufacturing firms become "parallel traders".

It is interesting to consider parallel imports driven by CAT.

Parallel trade by CAT



Comment 6: Distribution of gains from CAT Negotiation process between the two manufacturers under CAT is not explicitly considered.

- > Just providing a sufficient condition.
- Considering a negotiation scheme, such as Nash bargaining, enables us to discuss the distribution of the gains from CAT between the two firms.
- For instance, trade liberalization may change the distribution because it changes the values of the two firms' outside options (i.e., the profits under **DOG**).

It is interesting to discuss how changes in model parameters affect the distribution of the gains from CAT under CAT regime.



I	Even if goods are substitutes, there is a case where $DOG \rightarrow CAT$ increases trade, lowers prices, and benefits consumers.
2	Should provide the real-world examples of CAT for competing products
3	Should discuss a possible consumer-hurting trade liberalization.
4	Endogenous product differentiation as a possible extension.
5	A possibility of parallel imports led by CAT.
6	Should discuss the distribution of the gains from CAT b/w firms.