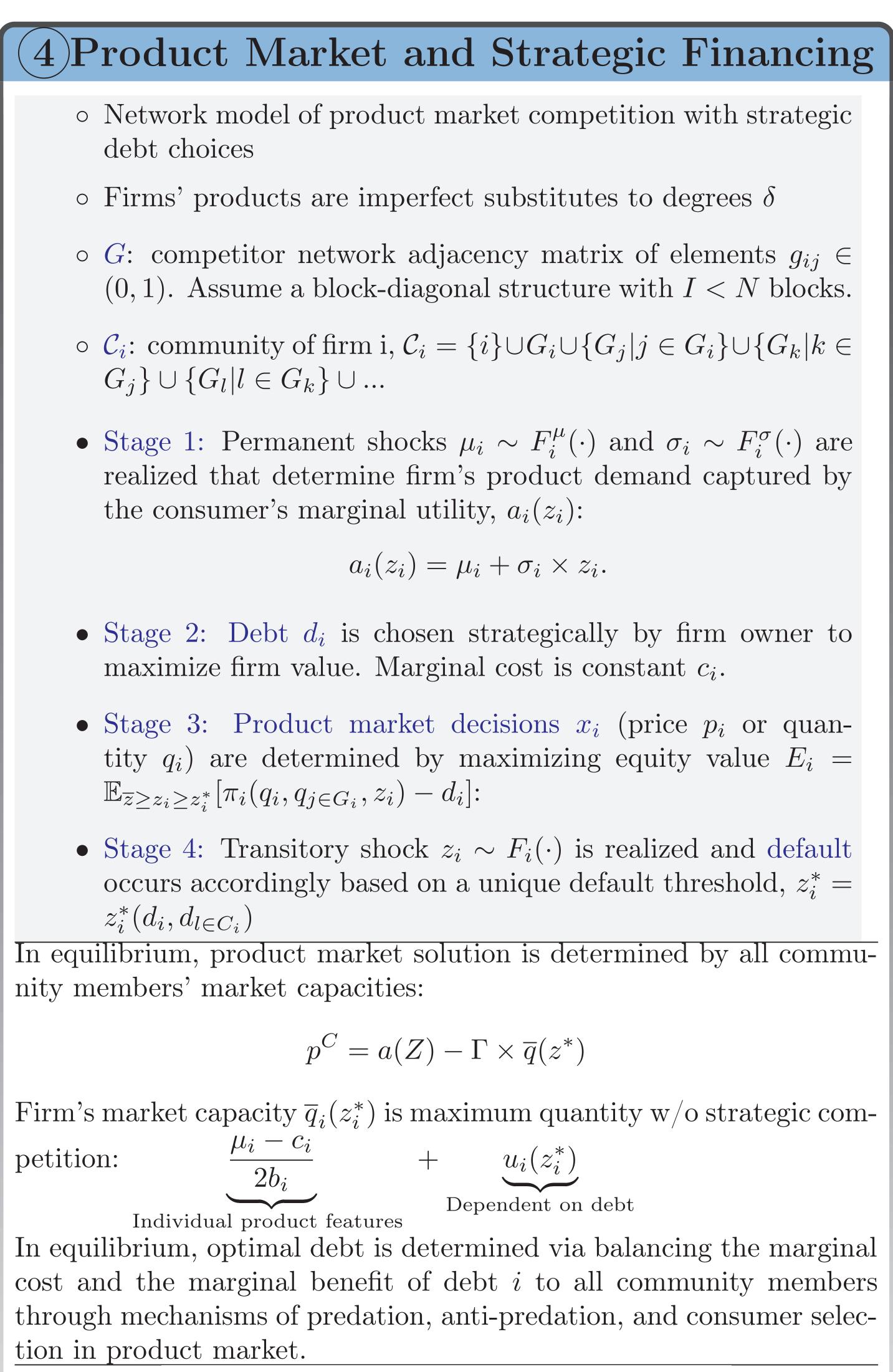
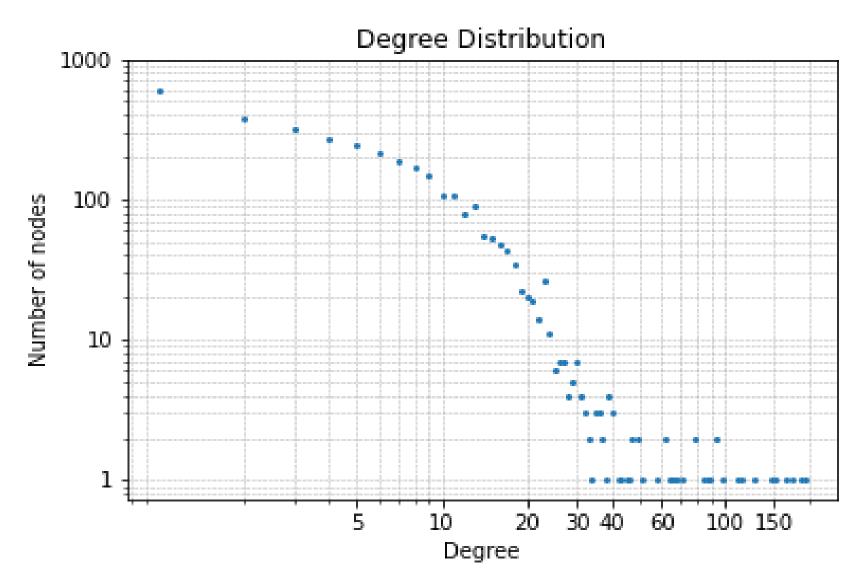
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# **Beyond Peers: Cross-Industry Competition and Strategic Financing**

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**Theoretical Prediction:** Strategic financing decisions are complementary when a competition community's network follows a heavy-tailed node degree distribution (e.g., core-periphery).

- community members need to be known.

- choices (leverages).

## (3) Competitors Network, SIC industries, and Community Classification



Zepeng Wang

## Main Question

How does the structure of the competitive environment (as opposed to industry) affect corporate financing decisions?

1. We capture the general competitive environment by a competition network with multiple communities, in which there are directly linked competitors, competitors' competitors (2nd-order neighbours), and beyond.

2. Every firm interacts not only with its industry peers or direct competitors in the network; instead strategic competition is communal.

3. Community is a group of firms that are densely connected within the group and comparatively sparsely connected with firms of other groups. We take network structure within community as a feature of competitive environment.

## Main result 2)

• Accounting for the network structure of competition is key to rationalizing firm financing.

• This holds even if the underlying competition is of the Cournot type with strategic substitutes in product quantities. • The whole firm network behaves like a chaos system. To determine the precise future of any firm, the precise situations of all network

**Empirical Findings:** (via panel regressions with control variables and firm, time, and industry fixed effects) • Not only direct competitors (1st neighbours), but also indirect competitors (2nd and further neighbours) matter for a firm's financing

• Complementarity in financial decisions among members of each community.

• The node degrees of the communities and the entire network are heavy-tailed distributed.

• Firms are indicated by nodes. Every pair of nodes linked by one direct edge is a pair of direct competitors. The colors of nodes and edges in Panel A indicate the SIC2 classification for each firm. The colors in Panel B indicate the communities.

