Content Moderation in Presence of Fringe Platforms

Iván Rendo (TSE)



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 - e.g. 20% of terrorists radicalized exclusively online
 - bullying, food disorders, pornography...

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→ EU Response: Digital Services Act

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Broad question: consequences of content moderation?

Platforms' competition model to analyze the **net effect** of

Content Moderation on the level of Content Unsafety

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- → How users choice is determined by content moderation policies
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- → How users choice is determined by content moderation policies
- → How the level of unsafe content is affected by users choice
- → What incentives do platforms have to self-regulate?
- **→** Characterize the optimal regulation to minimize unsafe content

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 - Maximizes revenues from advertisers (averse to unsafe content)
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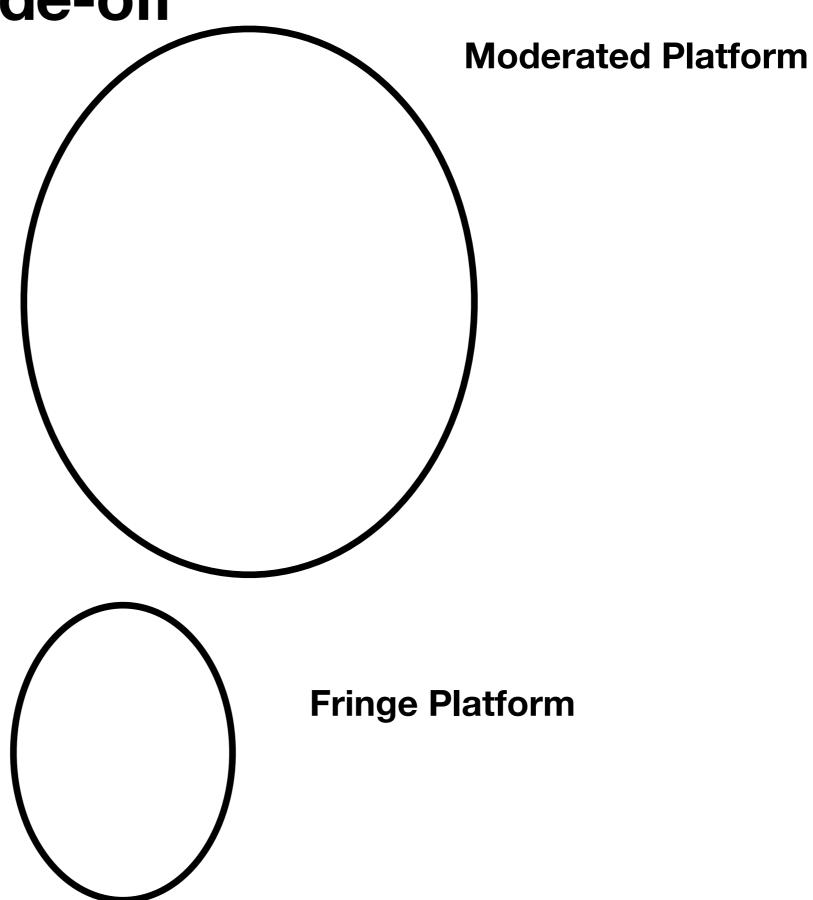
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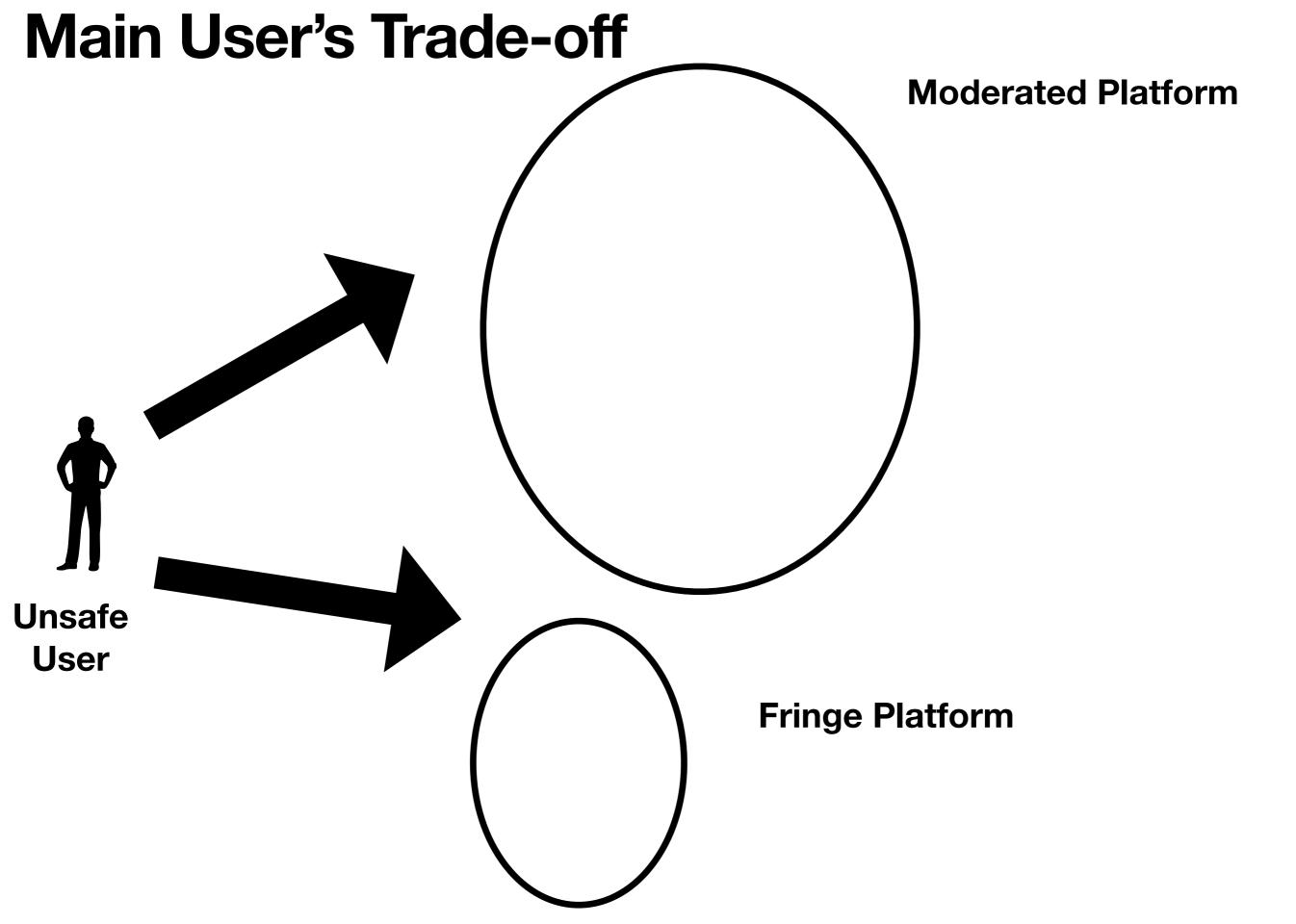
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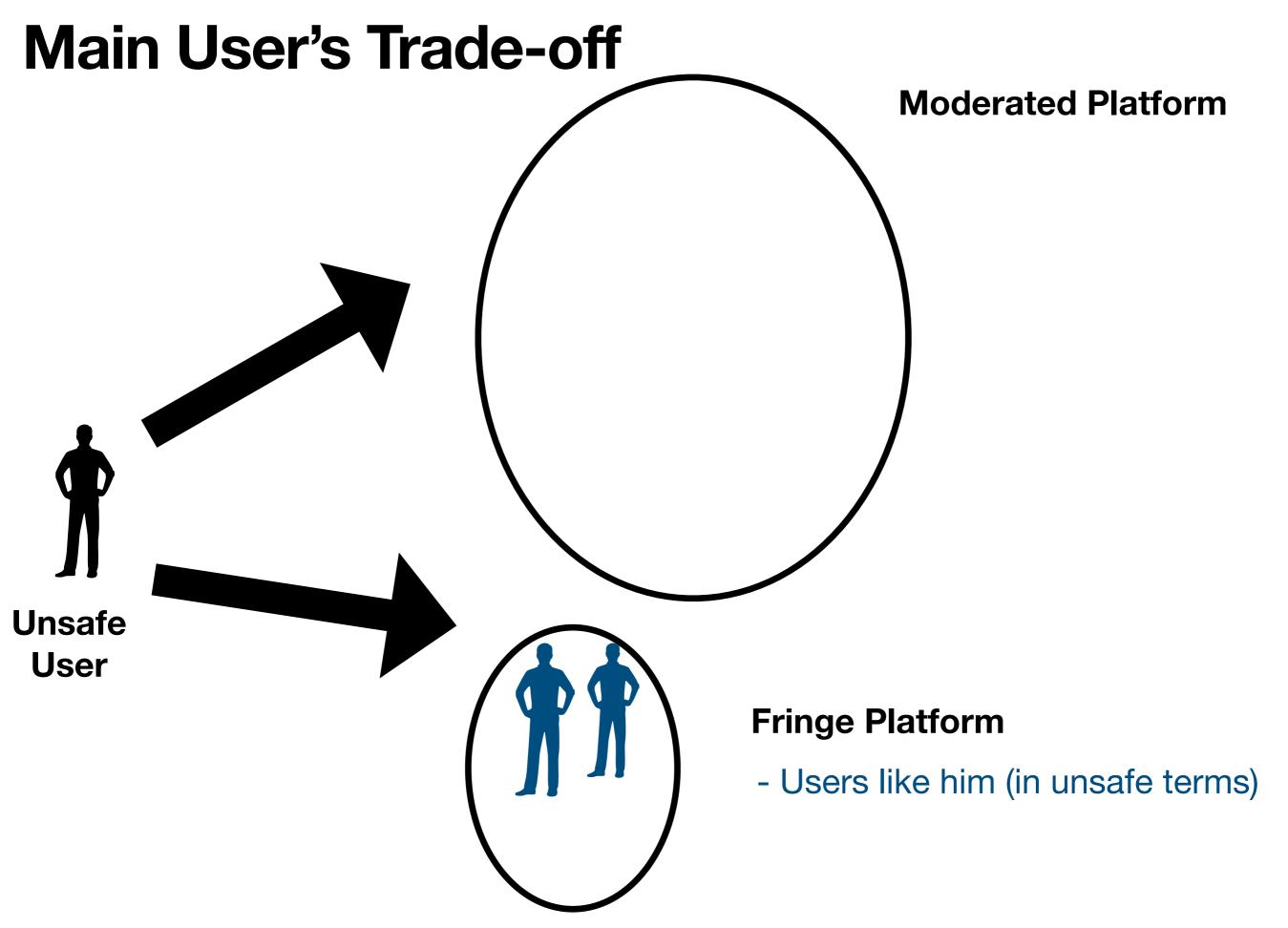
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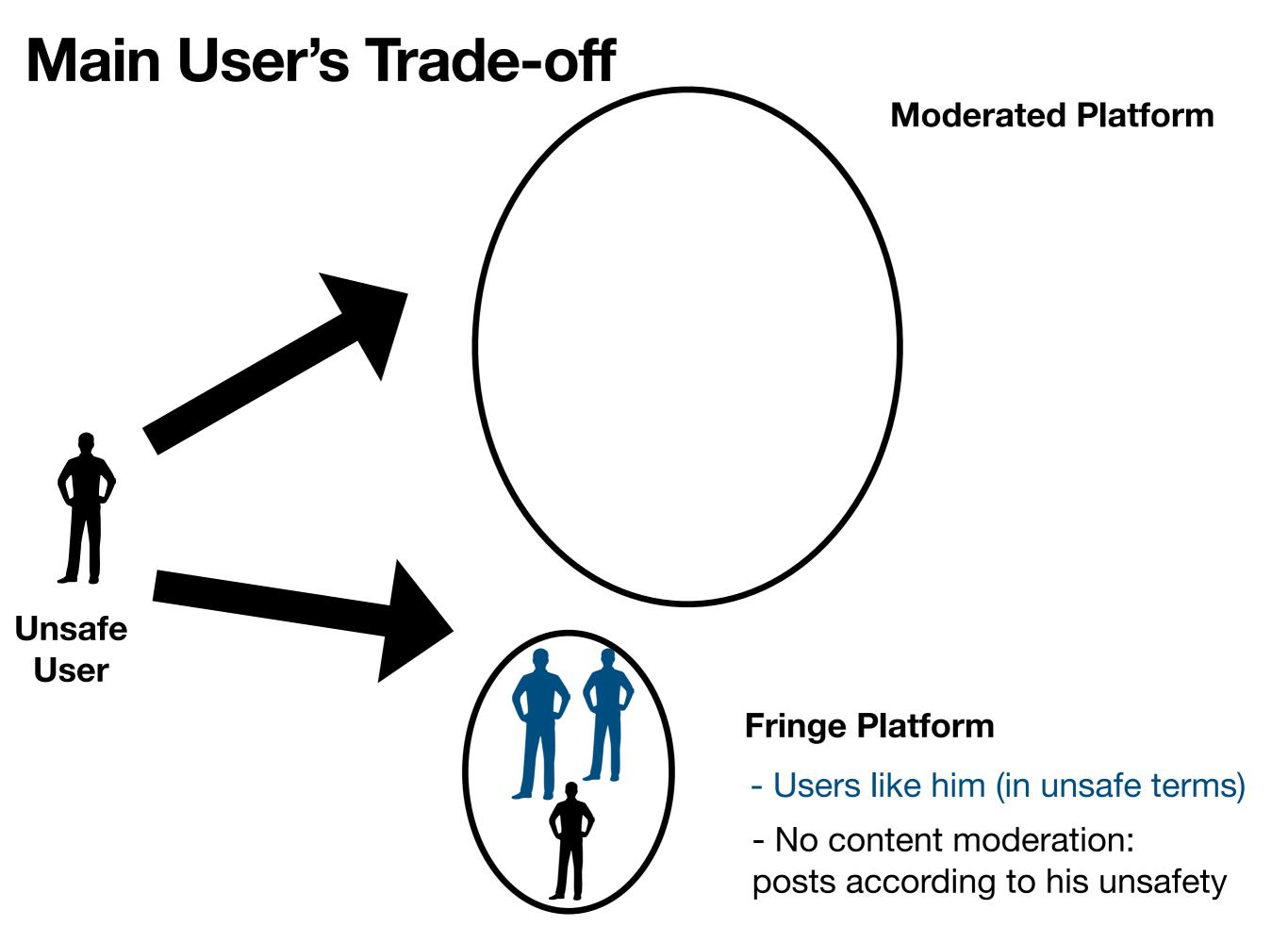
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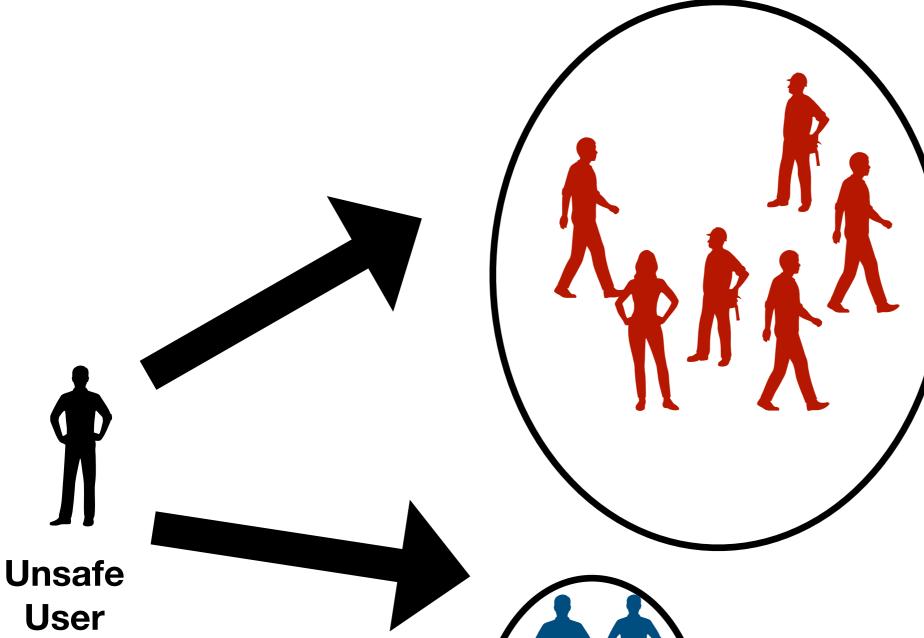












Moderated Platform

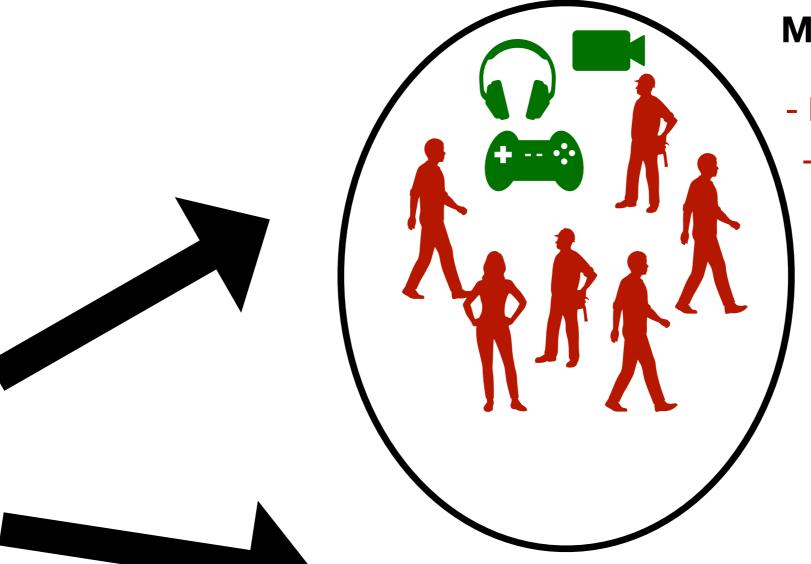
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Fringe Platform

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Unsafe

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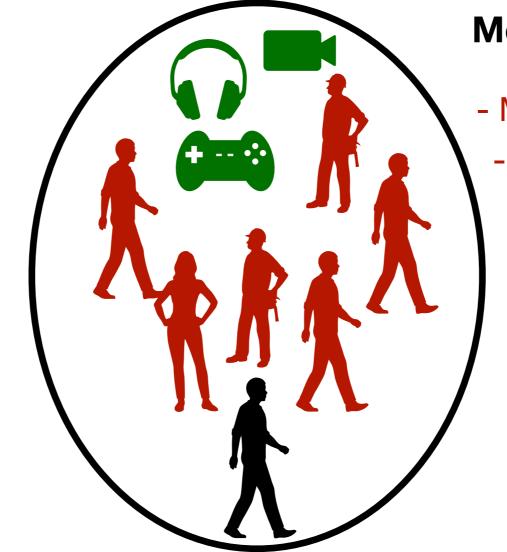
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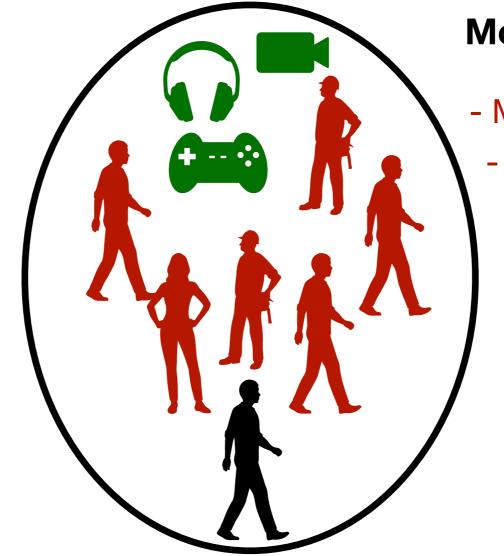
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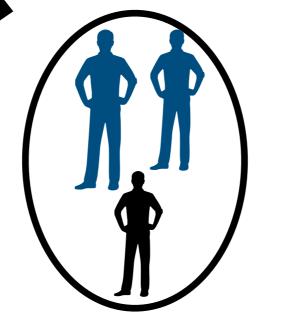
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- 2. Policy (to minimize the level of unsafe content):
 - With large network effects, too much self-regulation
 - Regulation only useful with small network effects (or high competition)

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- Analyzed potential mechanism behind empirical observations (Rizzi, 2023; Agarwal et al., 2022)
- Other Literature on Social Media (Zhang & Sarvary, 2012; Abreu & Jeon, 2019)

Roadmap

- I. Model and Equilibrium
- II. Policy
- III. Extensions (if time allows)

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- User i in platform j **reads** a random sample of the content, of avg type $\bar{\theta}_j$

$$\bar{\theta}_j = \int_{i \in j} \theta_i^C di$$
 = average type of content in platform j

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Rk: No outside option!

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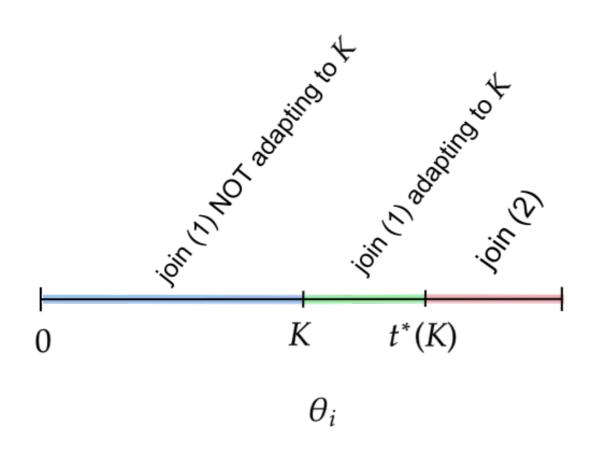
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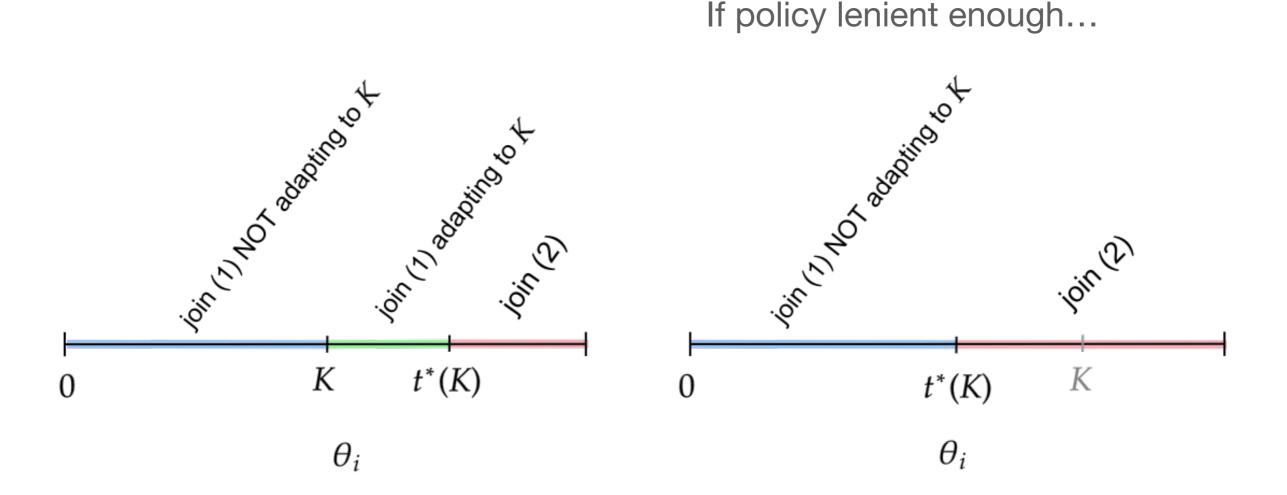
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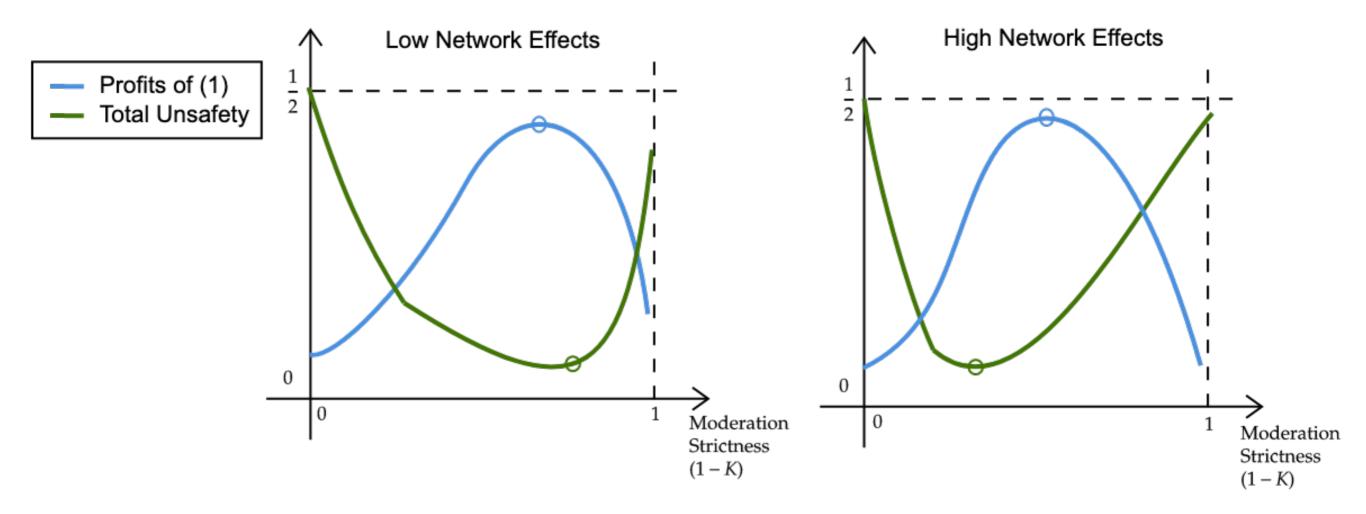


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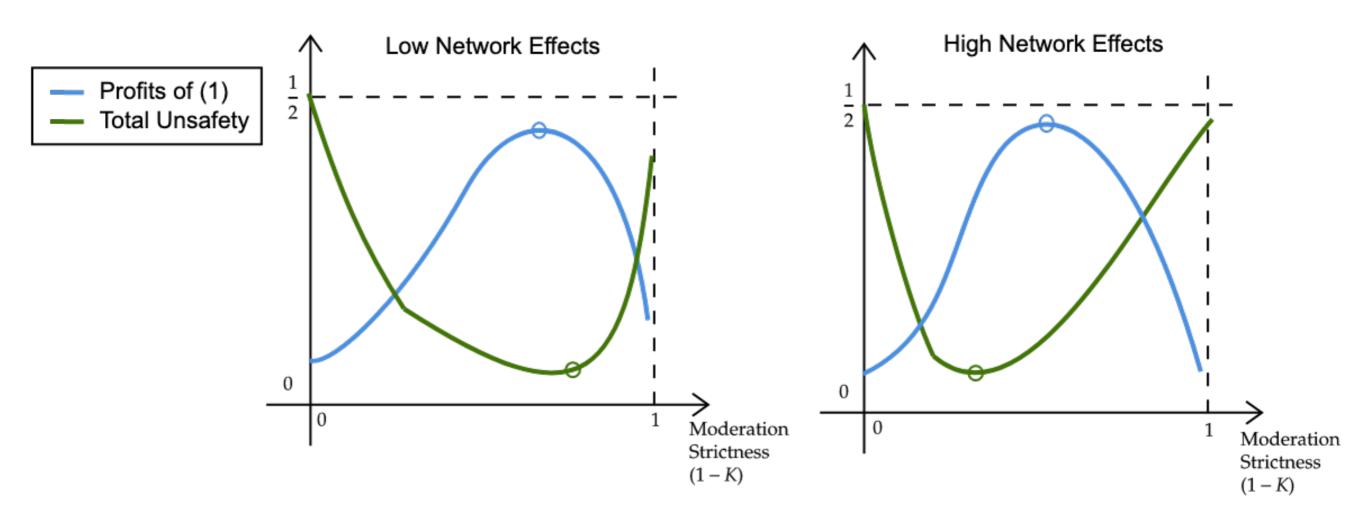
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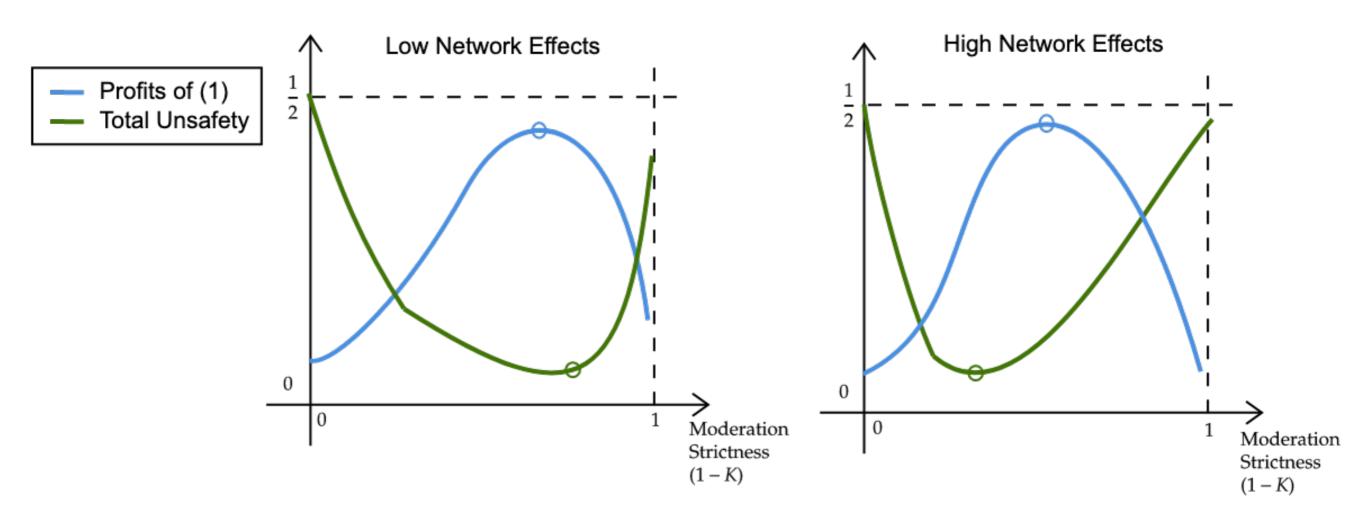


Characterization of the Equilibrium



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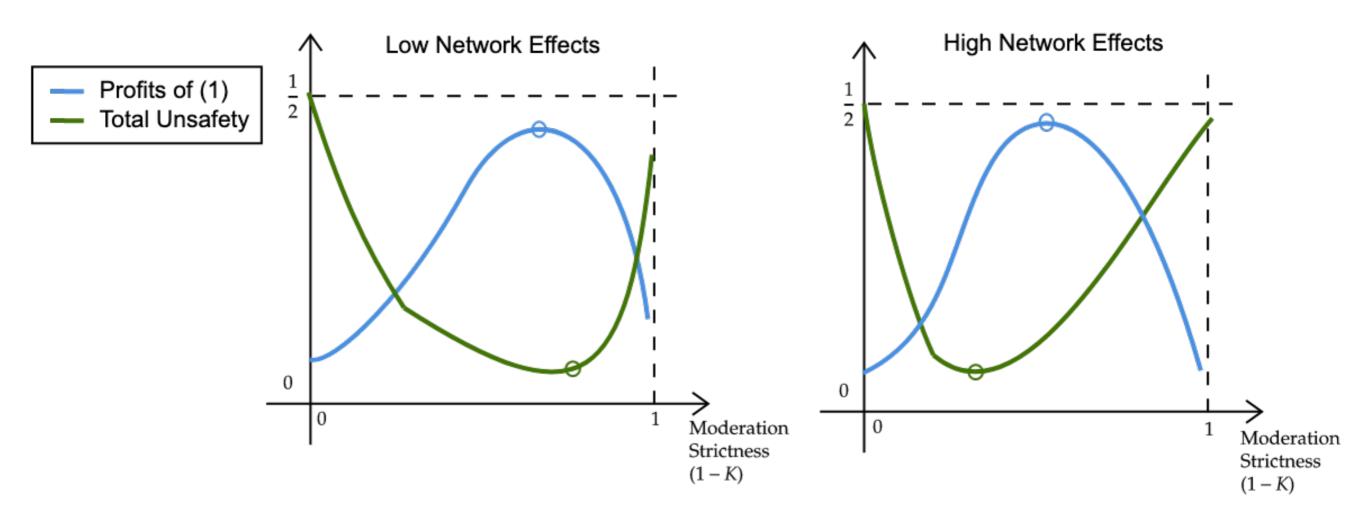
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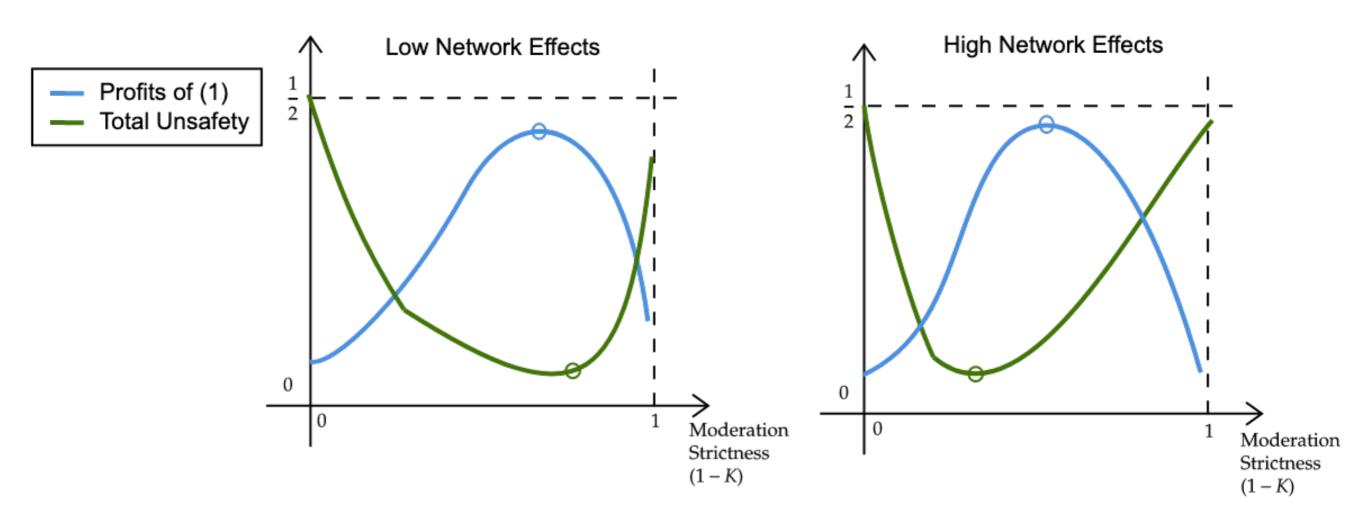
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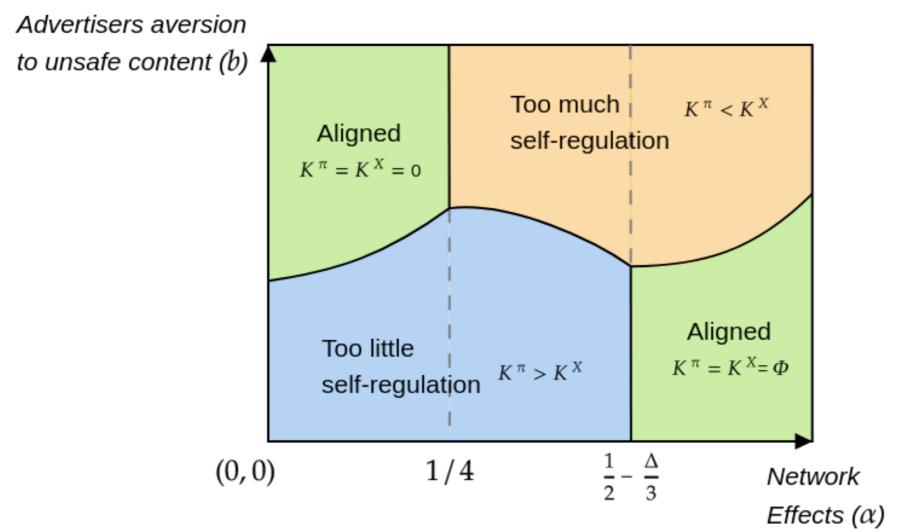
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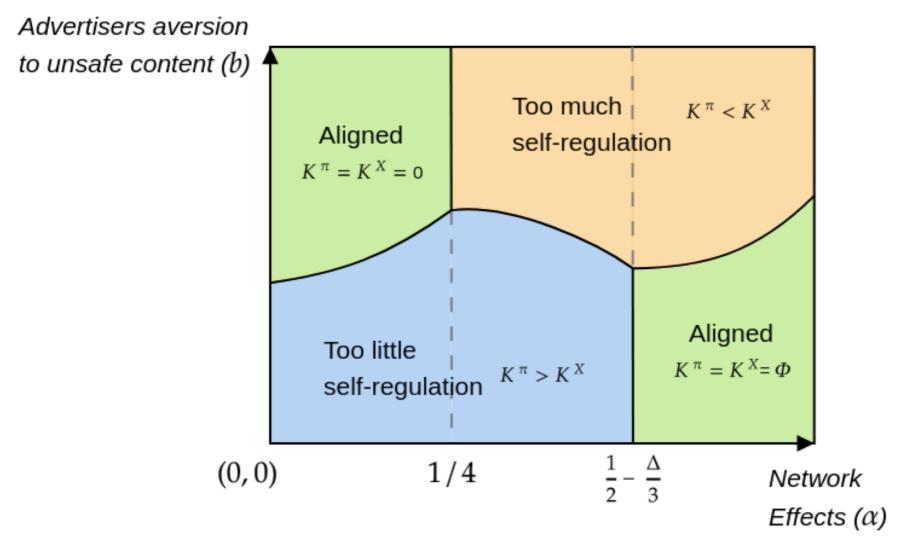
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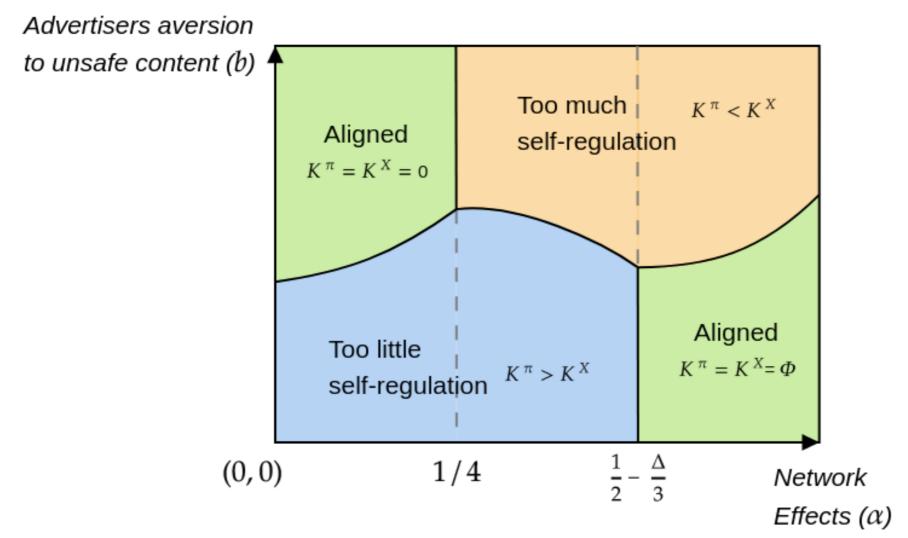
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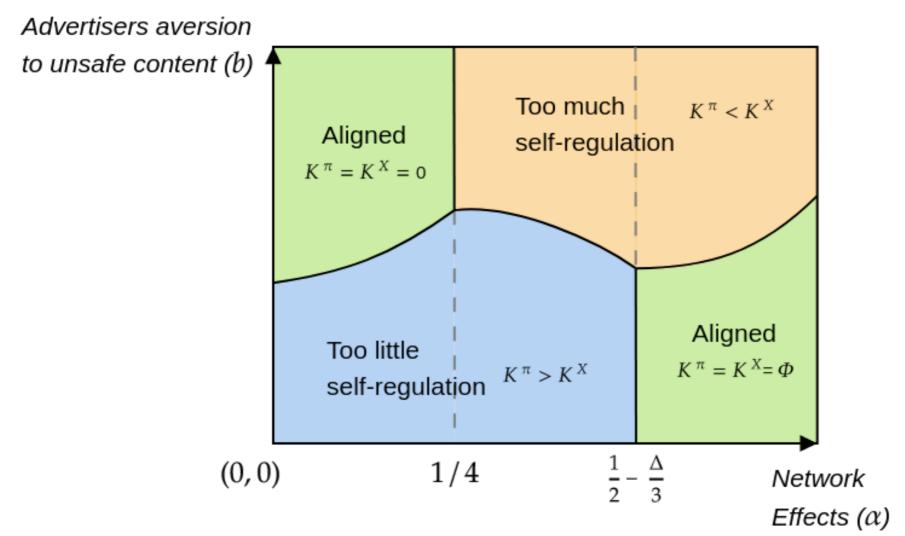
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Orange Area: such a policy wouldn't bind. Regulators would like to impose a maximal moderation policy to attract users from the fringe platform.

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Main Result:

Moderate content moderation can reduce (increase) offline violence

Users are attracted to safer platforms and converge to the safer content they find there

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Other non-IO applications

e.g. Cancel culture (~Tirole's safe spaces)