Example for seminar.sty

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July 21, 1991

Information overload = “Too much” information

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You have 134 unread messages:
Do you want to read them now?
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2. People *should* receive less information.

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- There is information overload in a network if there is some mechanism that, compared to the *status quo*, makes the senders and/or receivers better off by restricting the flow of information.’
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Questions

- When could there be overload in networks?
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- How does the welfare of the senders and receivers depend on the cost of communication?

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A tax τ on communication is said to support $\tilde{\mathcal{X}}(c)$ if $\tilde{\mathcal{X}}(c)$ is an equilibrium for $\Gamma(c+\tau)$.

Proposition 6. *Assume $\tilde{\mathcal{X}}(c)$ is not an equilibrium for $\Gamma(c)$.*

1. *If supp$(\gamma) = [0,1]^n$, there is no tax that supports $\tilde{\mathcal{X}}(c)$.*
2. *If supp$(\gamma) = S^{n-1}$, there is a tax that supports $\tilde{\mathcal{X}}(c)$ if and only if $m = 1$, $p_j > c \, \forall j$, and*
   (a) $n = 2$; or
   (b) $n = 3$ and $p_i^{-1} + p_j^{-1} \geq p_k^{-1}$ for all distinct i, j, k; or
   (c) $n = 4$ and $p_1 = p_2 = p_3 = p_4$.

Architecture