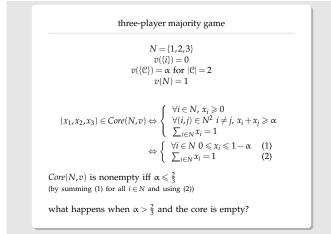
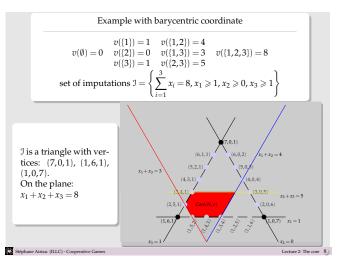


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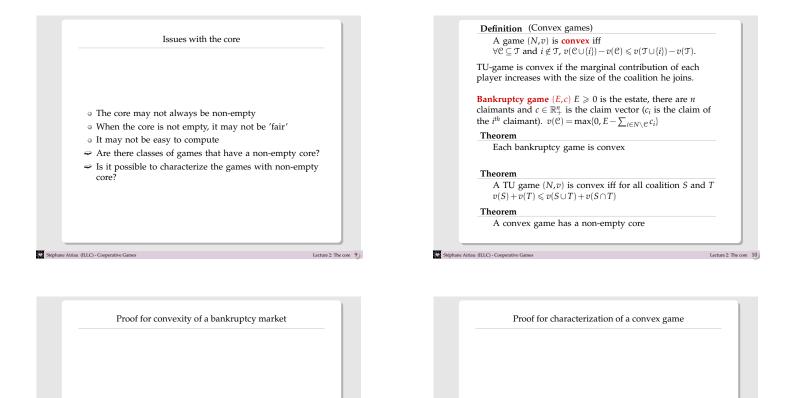
Lecture 2: The core 5



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Lecture 2: The core 6



Summary		
 We introduced the core: a stability solution concept. 		
 We looked at some examples. 		
• We saw that the core can be empty.		
 We proved that convex games have a non-empty con 	æ.	
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		19

Lecture 2: The core 12

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Coming next
Characterization of games with non-empty core (Bondareva Shapley theorem), informal introduction to linear programming.
Application of Bondareva-Shapley to market games.
Other games with non-empty core.
Computational complexity of the core.

Proof for non-emptyness of the core for convex games

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Lecture 2: The core 15

Lecture 2: The core 11

Lecture 2: The core 13