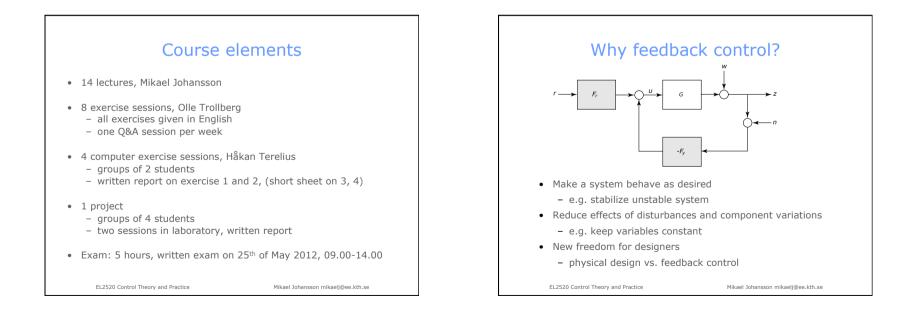


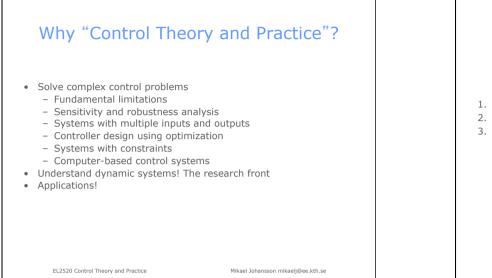
The practical

- Course information and schedule
 <u>https://www.kth.se/social/course/EL2520/</u>
- All slides and exercises available on homepage after class
- Course book:English and Swedish versions; Kåren or Internet
- Course material and practicalities: STEX, Osquldas väg 10
- Computer exercises: need kth.se account
- Register for labs via home page, from 22nd of March
- Lab access: details next week
- Expectations and feedback: email me at mikaelj@ee.kth.se

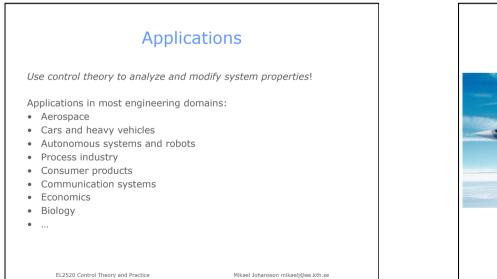
EL2520 Control Theory and Practice

Mikael Johansson mikaelj@ee.kth.se

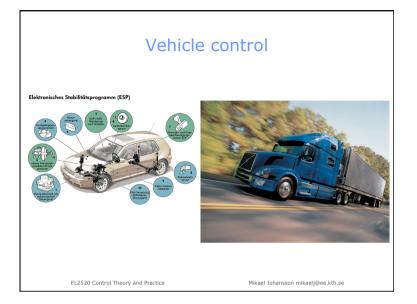




	Course struct	ture	
1. 2. 3.	Basic control revisited Modern control of multivariable linear Control of systems with constraints	(4 lectures) systems (7 lectures) (2 lectures)	
	EL2520 Control Theory and Practice	Mikael Johansson mikaelj⊜ee.kth.se	







Autonomous systems and robotics



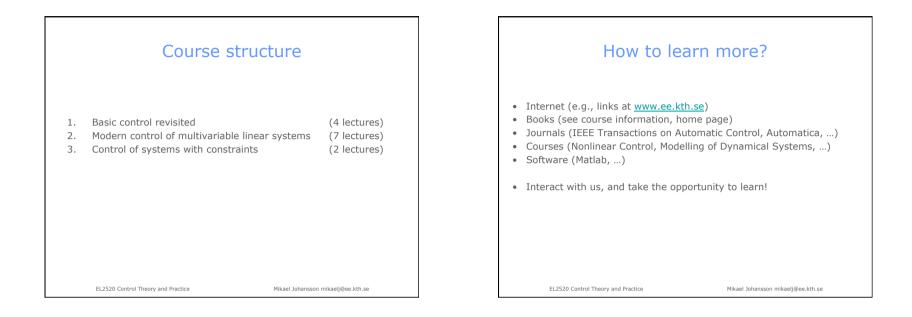


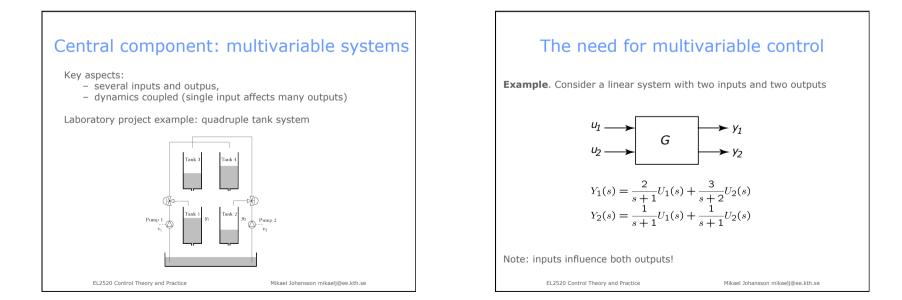
EL2520 Control Theory and Practice

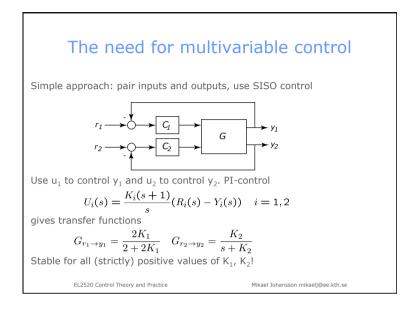
Mikael Johansson mikaelj@ee.kth.se

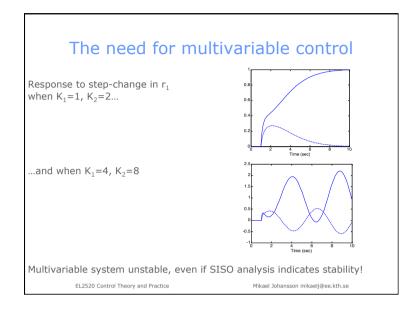


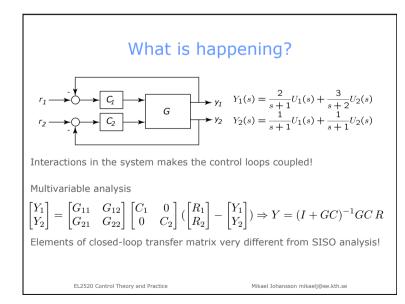


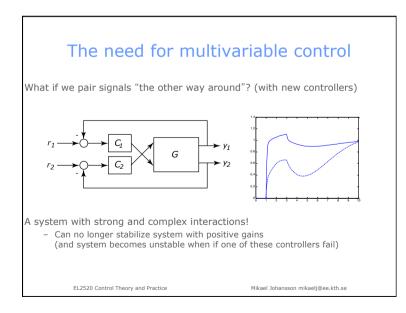


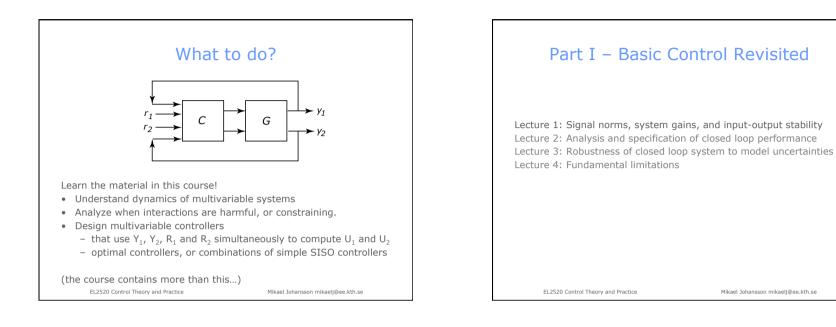


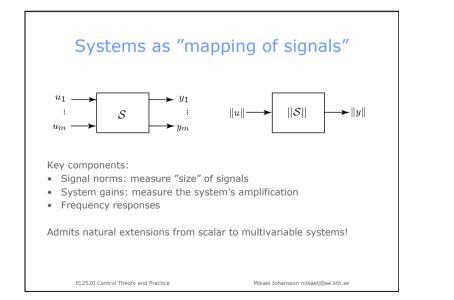


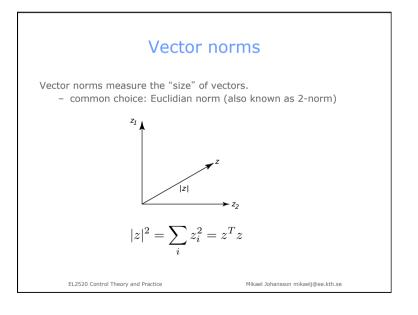


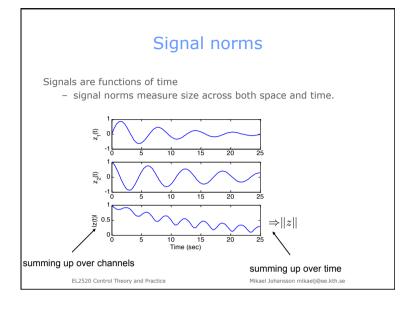


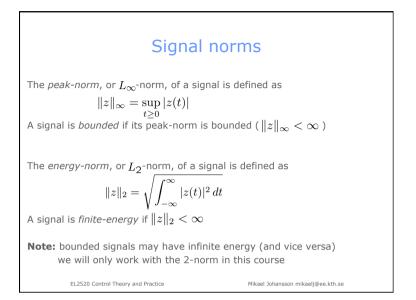


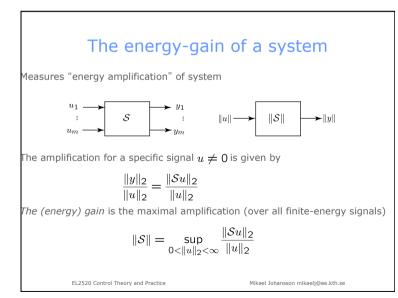


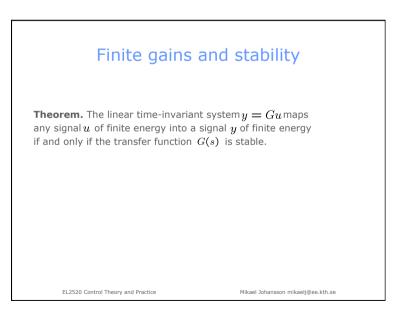


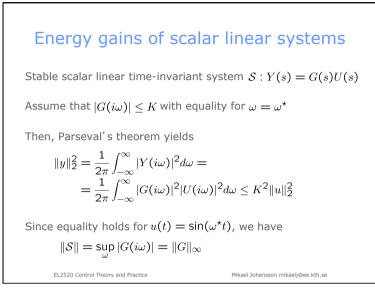












Quiz: energy gains and Bode diagrams **Quiz:** the Bode diagrams below represent two different linear time-invariant systems. Which one has the largest energy-gain? 10¹ 10 10 10⁻² 10 102 10 10⁰ 10 10 10 10 10 EL2520 Control Theory and Practice Mikael Johansson mikaeli@ee.kth.se

