



☆	Introduction	<b>₩</b>	Introduction
• M • Ta • Pi	<ul> <li>Iotion Coordination</li> <li>Each agent has no global knowledge of the network state and can only plan its motion by observing its closest neighbors.</li> <li>echnological Motivation</li> <li>For example</li> <li>Robotic sensor network: Monitoring and surveillance for safety</li> <li>revious Work</li> <li>A. Jadbabaie, J. Lin and A. S. Morse, IEEE TAC, 48-6, 2003</li> <li>J. A. Fax and R. M. Murray, IEEE TAC, 49-9, 2004</li> <li>R. O. Saber and R. M. Murray, IIEEE TAC, 49-9, 2004</li> <li>keywords: consensus, flocking, coverage, rendezvous, etc.</li> </ul>	•	<ul> <li>N. Chopra and M. Spong, SICE 2005, CDC 2006</li> <li>Passivity-based control</li> <li>Output synchronization for nonlinear dynamics</li> <li>N. Moshtagh and A. Jadbabaie</li> <li>Coordination in three dimensional (3D) space, CDC-ECC 2005</li> <li>Vision-based (image processing) coordination, RSS 2005</li> <li>In this talk</li> <li>Passivity-based control</li> <li>3D configuration space</li> <li>Vision-based control</li> <li>Vision-based control</li> <li>Vision-based Motion Coordination: A Passivity Approach</li> </ul>
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