

NRI: FND: Learning Visual Dynamics from Interaction

PIs: Carl Vondrick and Hod Lipson

Key Personnel: Boyuan Chen, Robert Kwiatkowski, Mia Chiquier

Lead Institution: Columbia University

Grant: NSF NRI 2.0 FND #1925157

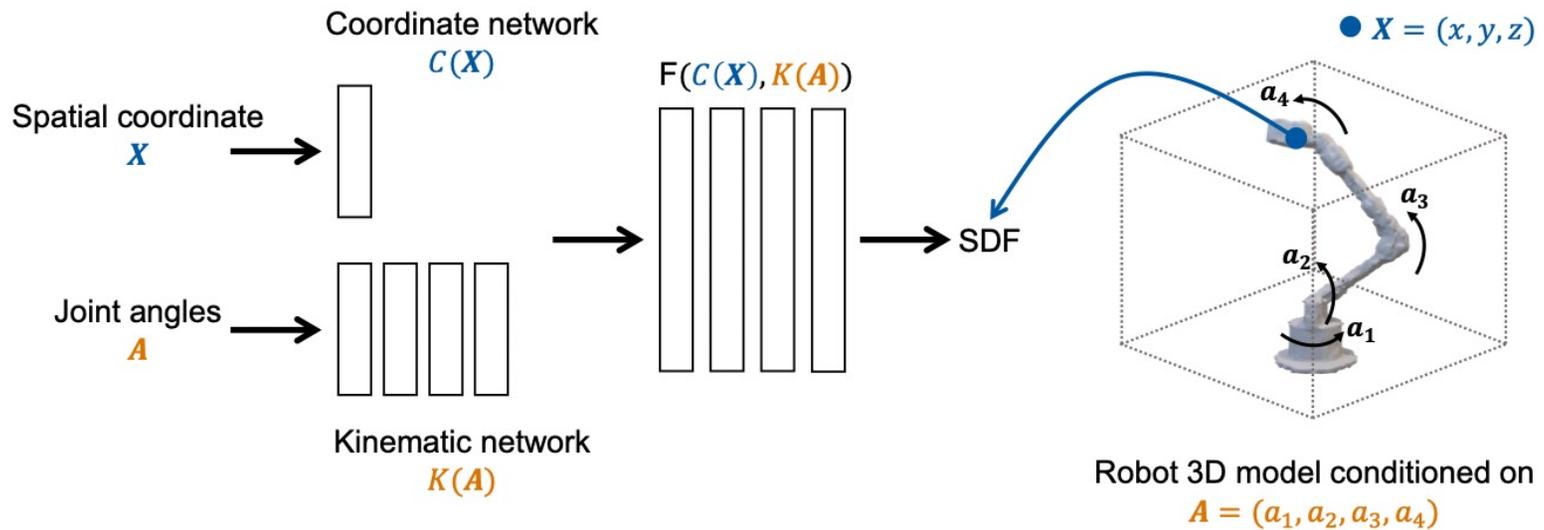
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Full-Body Visual Self-Model



Full-Body Visual Self-Model





Broader Impacts

- Research products are integrated into undergraduate courses in mechanical engineering and computer science courses about robotics to introduce students to computer vision and robot control perception
- Self-models will enable robots to handle more more realistic situations where situations are dynamics, such as in places of work or emergency situations
- Project provides training for two graduate students in interdisciplinary research at the intersection of mechanical engineering and computer science
- Project has provided hands-on research opportunities for two undergraduate students in computer science

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