

Deep Learning for Tactile Perception

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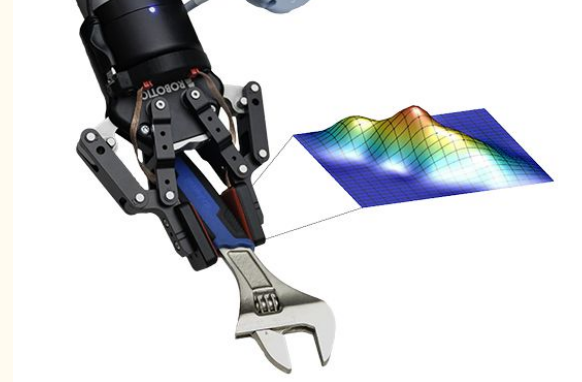
Introduction

- Robotic Arms
- Vision Assistance
- Why do we need more?
- Tactile Perception!

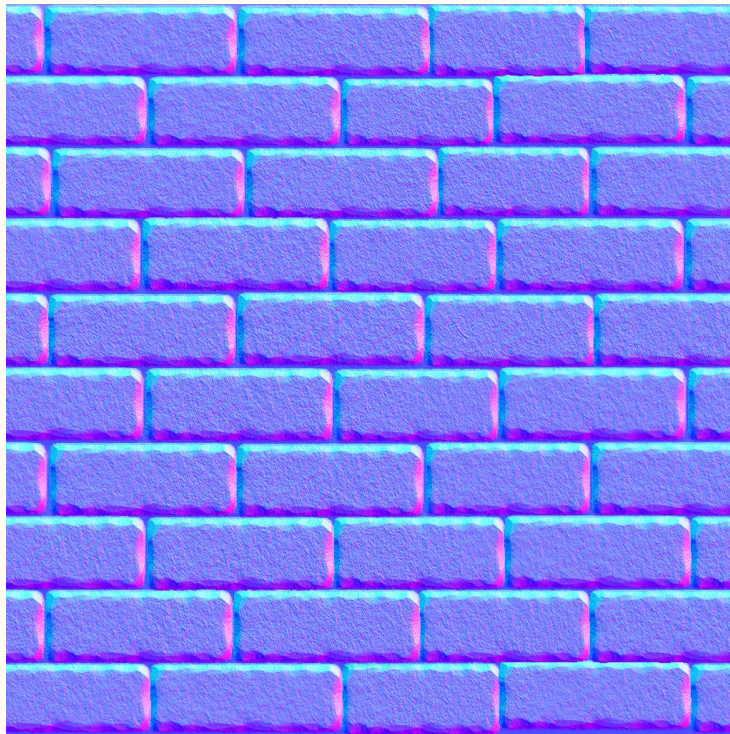
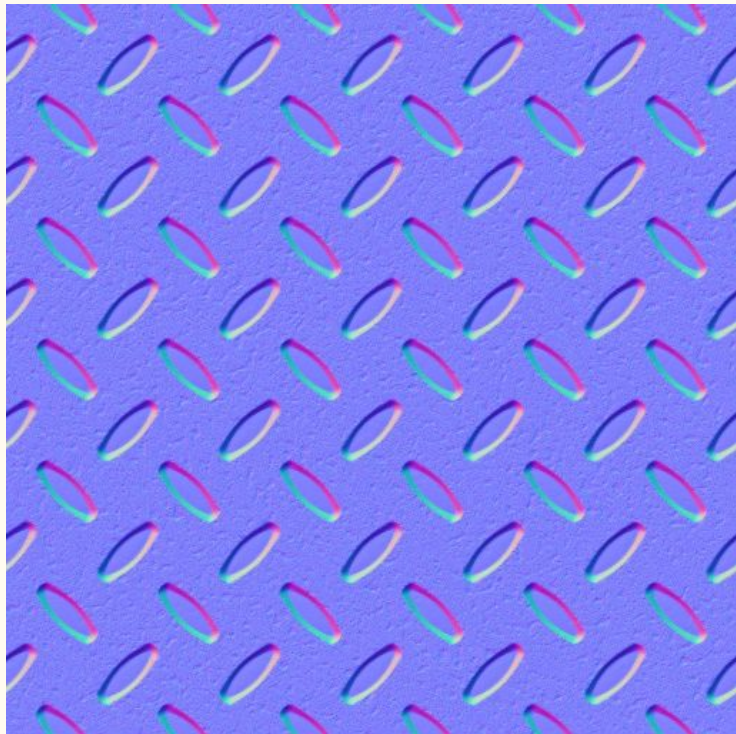


Our Proposal

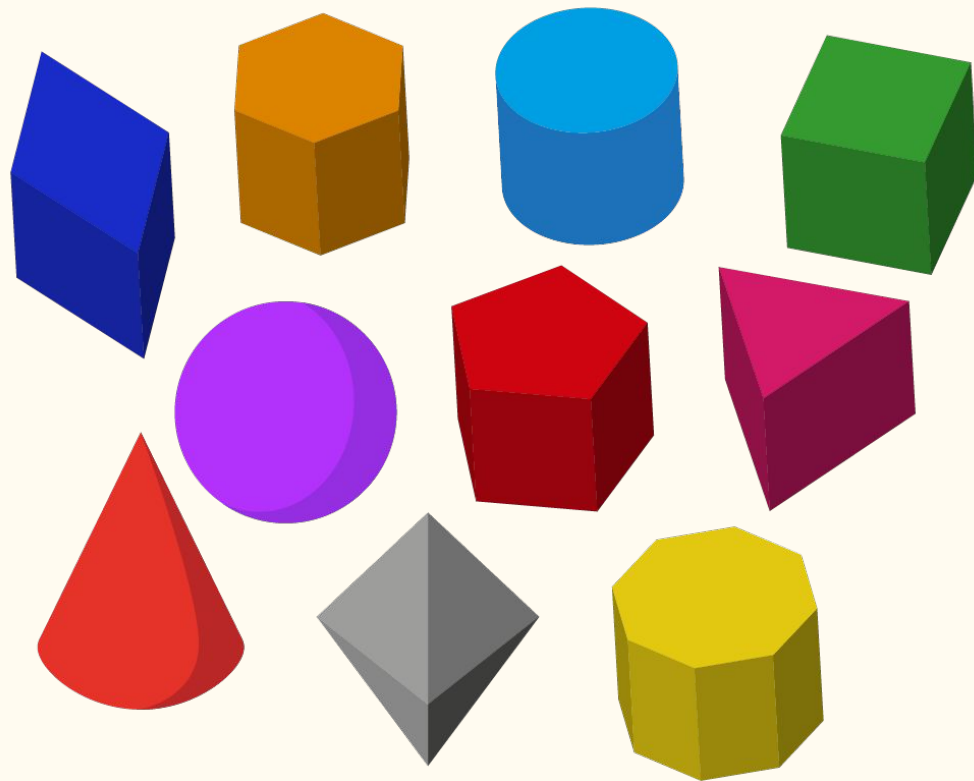
1. Material Recognition by Tactile Sensing
2. Tactile Object Shape Perception
3. Pose Estimation via Touch Sensing
4. Generate a Tactile Dataset with Our New Bio-intactile sensors



Material Recognition by Tactile Sensing



Tactile Object Shape Perception



Pose Estimation via Touch Sensing

