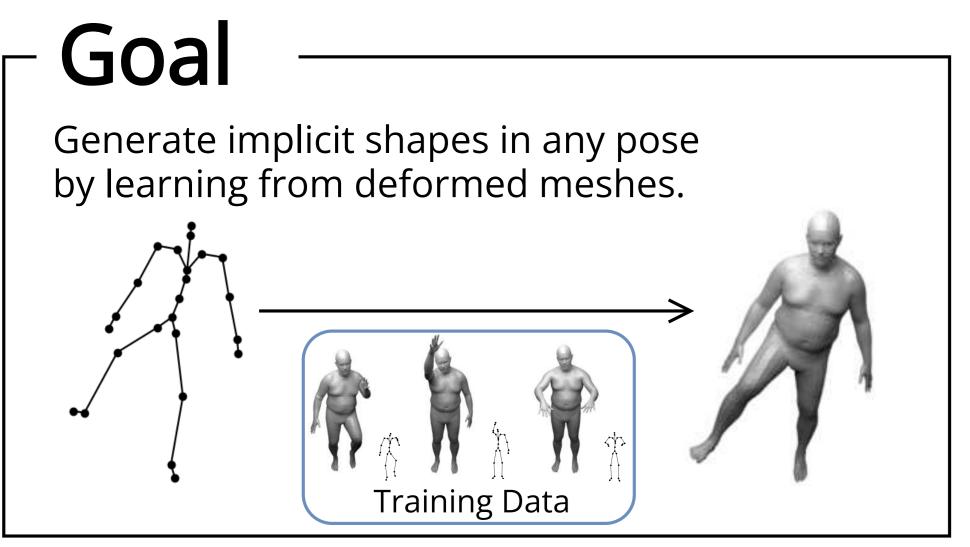
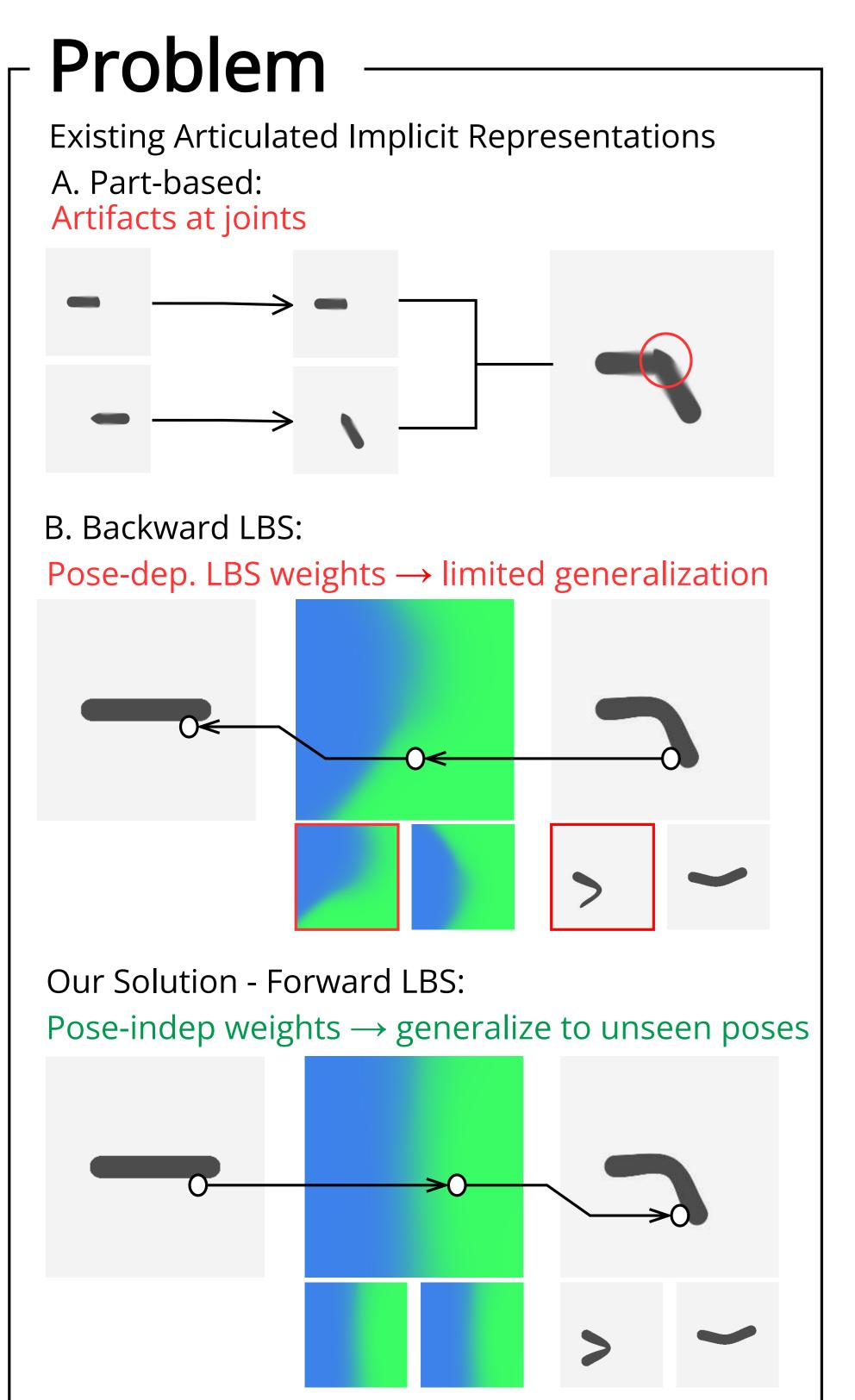
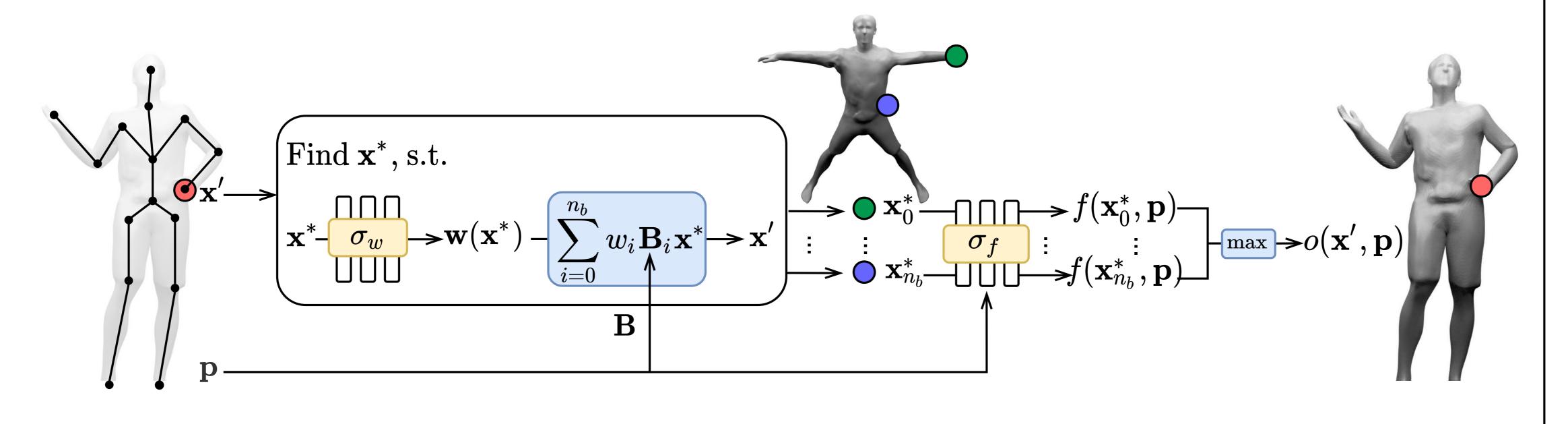
SNARF: Differentiable Forward Skinning for Animating Non-Rigid Neural Implicit Shapes

Xu Chen, Yufeng Zheng, Michael J. Black, Otmar Hilliges, Andreas Geiger









- Search canonical correspondence via iterative root finding;
- Handle multiple correspondences with multiple initialization for root finding;
- Aggregate multiple correspondences with max operator;
- Condition shape on pose to learn non-linear deformations (e.g. clothing);
- Implicit differentiation to avoid back-propagation through root finding.

