



TOWARD LIFELIKE ANIMATIONS OF ASL: ACHIEVING NATURAL MOTIONS FROM THE MOVEMENT- HOLD MODEL

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TOWARD LIFELIKE ANIMATION OF ASL

- Advantages of sparse key animation for ASL
 - Flexibility
 - Corresponds well to linguistic tags
- Disadvantage: Misses important motion aspects
 - Small-scale sublinguistic joint motion
 - Secondary joint motion
- Adding “life” is often time-consuming & expensive
 - Requires artists with well-trained eyes



IK EXTENSION TO “LIVEN” SPARSE KEYS

- Simple direct method
 - Analytic solution based on heuristic, developed by artists and mathematicians
 - Applicable to any limb IK system
 - Automatically calculates both spine bend and twist
- Supports independent spine control for other movements
 - E.g. role shift, affect, etc.

