SMU Math poster with Beamer and LaTeX

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Introduction

- automatic sign language recognition system
- necessary for communication between deaf and hearing people
- continuous sign language recognition, several speakers, vision-based approach, no special hardware
- large vocabulary speech recognition (LVSR) system to obtain a textual representation of the signed sentences
- evaluation of speech recognition techniques on publicly available sign language corpus

Fontsizes

tiny

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footnotesize

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Large

LARGE

veryHuge

VeryHuge

VERYHuge

Automatic Sign Language Recognition (ASLR)

- similar to speech recognition: temporal sequences of images
- important features
  - hand-shapes, facial expressions, lip-patterns
  - orientation and movement of the hands, arms or body
- HMMs are used to compensate time and amplitude variations of the signers
- goal: find the model which best expresses the observation sequence

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Stuff goes here.

Right column

More stuff goes here.