

Edit Video By Editing Text | Stanford News

By Andrew Myers

June 11, 2019

A new algorithm allows video editors to modify talking head videos as if they were editing text – copying, pasting, or adding and deleting words.

In television and film, actors often flub small bits of otherwise flawless performances. Other times they leave out a critical word. For editors, the only solution so far is to accept the flaws or fix them with expensive reshoots.

A new algorithm makes it possible to perform text-based editing of videos of “talking heads”; that is, speakers from the shoulders up.

Imagine, however, if that editor could modify video using a text transcript. Much like word processing, the editor could easily add new words, delete unwanted ones or completely rearrange the pieces by dragging and dropping them as needed to assemble a finished video that looks almost flawless to the untrained eye.

A team of researchers from Stanford University, Max Planck Institute for Informatics, Princeton University and Adobe Research created such an algorithm for editing talking-head videos – videos showing speakers from the shoulders up.

[...]

Source: [Edit video by editing text | Stanford News](#)