VapourSynth comes, does it indicate that AviSynth will shutdown?

Abstract

VapourSynth is a powerful tool for video post-production. In contrast to video editing tools with GUI interface, it parses expressions and statements from Python script, builds corresponding filter graph, and cheats output video as regular uncompressed RGB/YUV AVI stream file. Thus, everyone can view video editing result just by playing Python script as a regular AVI file.

The concept of VapourSynth is based on AviSynth, the most famous script based video editing tools. However, AviSynth is too old, inefficient, has disorder filter set, and there are many limitations in its specific script language (lack of for/while loop). That is why project holder introduces many advantages into VapourSynth, such as better resource usage, frame level concurrent processing, simplified filter set, and describes video processing flow with Python!

Will VapourSynth be the future of script based video editing? Let's make some simple VapourSynth scripts and realize what VapourSynth can do!

Outline

- AviSynth
  - Structure
  - Features: Pros & Cons
  - Example
- VapourSynth
  - Features: Pros
  - Installation
  - Tutorial, step by step
    - Trim, Splice
    - Resize, Lut, other 1 input 1 output filters
    - Stack, Lut2, other multiple input 1 output filters
    - Import and use external filters from AviSynth
  - Demo
  - Limitations
- Questions?