The future of digital video is in temporal tone mapping. Tone mapping has given photographers the ability to reproduce great looking photographs and never scrap exposures because the film was over or under-exposed. Up until now digital video has been left behind because of the ever changing luminance in rapidly moving frames.

Now, temporal tone mapping can be applied to digital video and computer animation. Through this new method many scenes and takes that were previously unusable or poorly exposed will be viewable by maintaining proportionate lighting and retaining rich color.

This new method reproduces frames one by one but takes the averages of luminance over multiple frames to generate a smooth transitions so video remains viewable, looks smooth, and retains realism.