

			Сору			
			25FPS	29.97 FPS	PAL	NTSC
	23.98 FPS	24FPS	50i	59.94i		
Source						
23.98	OK	0.1% speed up	4.1% Speed Up or Alchemist	2:3 Cadence added	4.1% Speed Up or Alchemist	2:3 Cadence added
24FPS	0.1% slow down	OK	4.0% Speed Up or Alchemist	0.1% Slow down plus 2:3 Cadence added	4.0% Speed Up or Alchemist	2:3 Cadence added
25FPS / 50i	Alchemist	Alchemist	OK	Alchemist	Alchemist down convert	Alchemist down convert
29.97 FPS 59.94i	Inverse Telecine or	Inverse Telecine or	Alchemist	OK	Alchemist down convert	Alchemist down convert
	Alchemist	Alchemist				
PAL	Alchemist	Alchemist	Alchemist UP Convert	Alchemist UP Convert	ОК	Alchemist
NTSC	Alchemist	Alchemist	Alchemist UP Convert	Alchemist UP Convert	Alchemist	ОК

Adding cadence will keep a majority or the frames unblended but there will be blended frames evey 3rd Frame
Does not Normally require pitch correction
Only applicable if material was originally made with 2:3 Cadence
Alchemist HD Required and will cause frame blending
Material can be speed changed with no frame blending which may require pitch correction or Converted through Alchemist
Alchemist Required for upconversion but should not introduce Frame Blending



Example of Frame Blending

