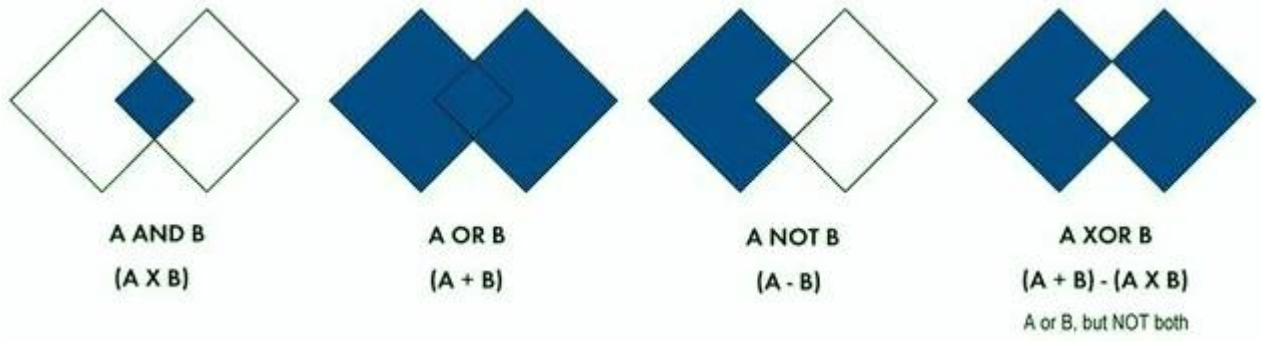
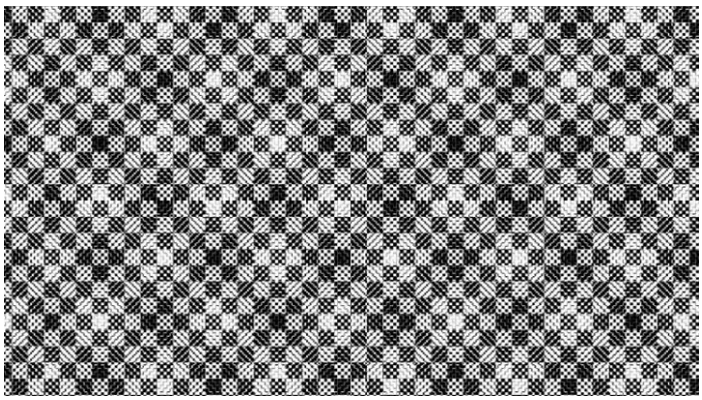
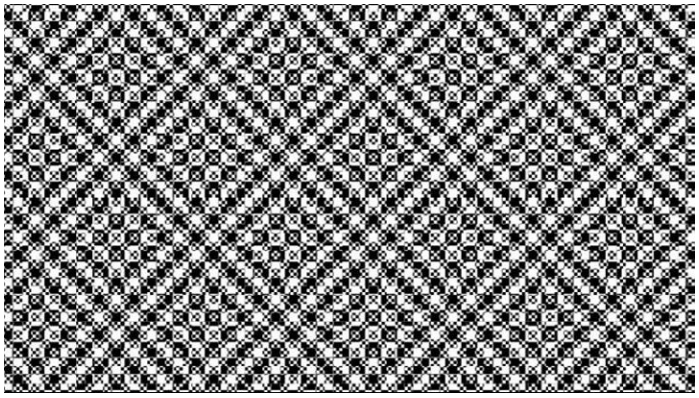
LOGICAL INVERSIONS & EXCLUSIVE OR (XOR) TRANSFORMATIONS

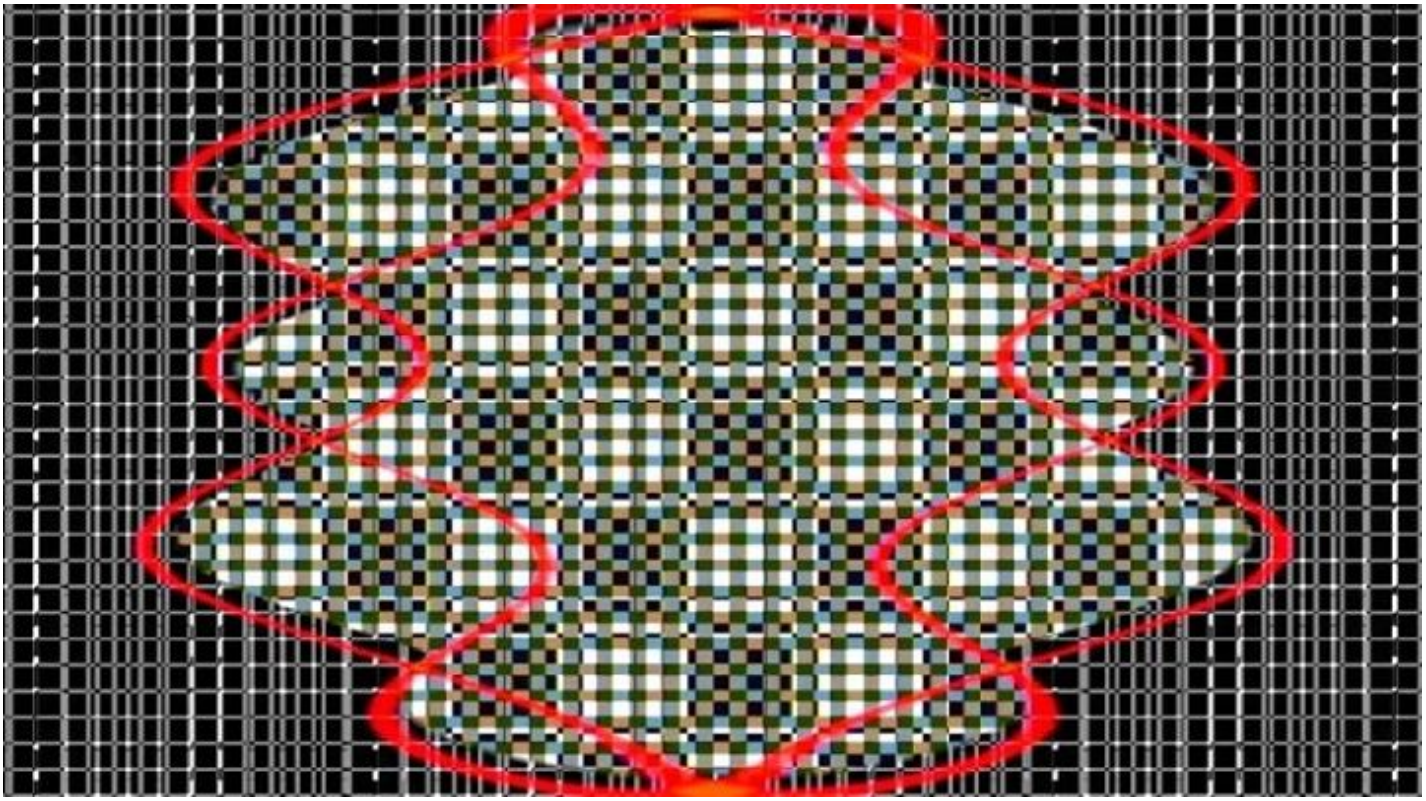
Linear counters (horizontal & vertical) and checkerboard patterns are transformed by the XOR logical transformation and linear movements that are imparted. Several orders of XOR logic and track-matte functions create complex combinations from simple patterned effects.



Logical AND, OR and XOR combinations produce many complex visualisations that can create startling optical animations. The full visual potential of the exclusive OR (XOR) function on linear and checkerboard patterns has yet to be realised. Because of the availability of the XOR effect on any image within the video layers, the power of XOR goes well beyond simple inversion. This is the appeal of the XOR - pure logic functioning that transcends the concept of the image.







Explorations:

--XOR function on linear (horizontal & vertical) counters
--XOR function on different sizes of checkerboard patterns
--XOR (XOR function on checkerboard patterns)
--XOR function on rotated patterns
--track-matte function on checkerboard patterns
--track-matte function on rotated patterns
--XOR (track-matte function on patterns
--track-matte (XOR function on patterns)
--XOR + track-matte combinations
--addition, subtraction & multiplication of XOR & track-matte patterns
--XOR moiré effects on complex linear patterns
--track-matte moiré effects on complex linear patterns