MAKE NOISE MATHS

MATHS CHANNEL 1/4 - Cycling A/D Envelope Generator with EOR or EOC Output

- **CHANNEL 1/4 CV Input**
  - **CHANNEL 1/4 CV In -** Slew Limiter
  - **CHANNEL 1/4 Gate In -** ASR Envelope Generator
  - **CHANNEL 1/4 Curve -** Affects Rate of CV Change (CV Δ)
- **CHANNEL 1/4 GATE TRIG Input -** Trigger A/D Envelope Generator
- **CHANNEL 1/4 CURVE -** Attack & Decay Coupled to LOG/LIN/EXP setting
- **CHANNEL 1/4 CYCLE Button -** Cycle A/D Envelope
- **CHANNEL 1 EOR** - Delay Trigger Events by Rise Time
  - Gate High when Rise (Attack) Portion of Cycle is Completed
- **CHANNEL 4 EOC -** Clock/Pulse Out

MATHS CHANNELS 1/4 EOR VS EOC

CHANNEL 1/4 CV Δ	CHANNEL 1 EOR	CHANNEL 4 EOC
CV LEVEL RISING	Gate Off Trigger Delay Time (Time Between Gates)	Gate High Gate Length
CV LEVEL FALLING	Gate High Gate Length	Gate Off Clock Tempo (Time Between Gates)

MATHS CHANNEL 2 - Bipolar (-10V to +10V)

- Wider CV Range than CH3
- **No Input -** CV Offset
- **Input Signal -** CV/Audio Attenuverter

MATHS CHANNEL 3 - Bipolar (-5V to +5V)

- Higher CV Precision than CH2
- **No Input -** CV Offset
- **Input Signal -** CV/Audio Attenuverter

MATHS OUTPUTS

- **SUM -** CV/Audio Summing Mixer of All Four Outputs
- **INV -** Inverted SUM Output
- **OR -** Highest Momentary Positive CV Value of All Four Channels
  - Create Rhythms with Two “Competing” Asynchronous Cycling Envelopes
- **CHANNEL 1/4 UNITY -** Unattenuverted Value CHANNEL 1/4 Outputs