MM ARP: Speed Math

Posted by TOS - 2011/09/12 20:27
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Just a small bit of theory that may be of some use:

The MM ARP speed parameter ranges from 1x to 96x. What this actually means is, for a speed X that you specify, the ARP places 6 triggers per X steps (1 step = 1 sixteenth or semiquaver). If you want to express this in ratios, the 'formula' is 6 : X.

Suppose you choose a speed of 1x - ARP places 6 triggers in 1 step (or semiquaver, or sixteenth note). Splitting a 1/16th in 6 subdivisions yields a resolution of 1/64T.

For a speed of 21x, the ratio is 6:21 - that's 2 triggers every 7 steps.

Und so weiter..

Hope this helps!

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Re:MM ARP: Speed Math

Posted by ipassenger - 2011/09/12 20:36
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I think this must be the same for the octa (don't have the mnm), have been trying to pin it down to a value/formula/relationship but i think what you have here has it spot on.

Cheers

Ross

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