From: Joscha Bach <[redacted]>
To: Jeffrey Epstein <jeevacation@gmail.com>
Subject: Re: Music cognition
Date: Thu, 03 Nov 2016 04:54:09 +0000

I suspect the brain attempts to map a low dimensional sample space on a high dimensional geometric space (at least that happens to me with some Gould pieces). It could also be a general aspect of function learning. Visual learning maps low dimensional input patterns from retina to a moving vector space geometry. Tactile learning maps samples from touch nerves in skin to a 2d map of the body surface. Auditory learning maps samples of energy distribution to regular attractor objects in a low-dimensional space.
Mathematically gifted minds have the ability to create such mappings for higher-level patterns, like music or more abstract geometry. Ordinary minds can see and manipulate numbers and series only sequentially as symbols. There might be a correlation to whether people can parse fugues and whether they are gifted at certain kinds of mathematical exploration.

> On Nov 3, 2016, at 00:46, jeffrey E. <jeevacation@gmail.com> wrote:
>
> there are some boring numbers. , bach, more tricks. long division. but not interesting. . gould is more find the x in the following series. . no answer. . schoenberg . more complex patterns
> beethoeven - four or five series intertwined. voices? sums + imaginary numbers.
> chinese music - transendantal numbers
> mozart , geometry spinning squares.
>
>
> On Thu, Nov 3, 2016 at 4:17 AM, Joscha Bach <[redacted]> wrote:
> Dear Jeffrey,
>
> I hope this finds you well!
>
> I was wondering about how you perceive music. You mentioned that you have synesthesia with respect to numbers; does music "look" like anything in your mind's eye?
> Especially "mathematical" music, like Gould and Bach?
>
> Cheers,
>
> Joscha
>
>
> PS: I have received the documentation for the O visa today; thank you so much for making that possible!
>
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> --
> please note
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