All good, thanks so much for the help!

On Mon, Jul 11, 2016 at 8:42 PM, jeffrey E. <▓▓▓▓▓▓▓▓▓▓▓▓▓▓> wrote:
> no jeffrey epstein . is enough
>
> On Mon, Jul 11, 2016 at 12:36 AM, Ben Goertzel <▓▓▓▓▓▓▓▓▓> wrote:
>>
>> About the sponsorship -- should I list one of your organizations on
>> the conference materials as a sponsor? If so which one? Enhanced
>> Education again?
>>
>> thx...
>>
>> On Mon, Jul 11, 2016 at 10:36 AM, jeffrey E. <▓▓▓▓▓▓▓▓▓▓>
>> wrote:
>> > first paper is silly, it does not include rythm, only notes.
>> > points
>> > but no temporal shape. sorry
>> >
>> > On Sun, Jul 10, 2016 at 10:25 PM, Ben Goertzel <▓▓▓▓▓▓▓▓▓> wrote:
>> >>
>> >> Hmmm...
>> >>
>> >> I have been thinking a lot about music too, but from a different
>> >> perspective...
>> >>
>> >> Do you know this paper on Combinatorial Music Theory?
>> >>
>> >> paper:
>> >> http://andrewduncan.net/cmt/
>> >>
>> >> video:
>> >> ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
>> >>
>> >> It's extremely good, it clarifies some basics of music theory in a
>> >> mathematical way without the confusing archaic terminology of standard
>> >> music theory... and suggests various interesting new directions...
>> >>
>> >> This paper is also related and somewhat worthwhile
>> >>
>> >> https://www.math.washington.edu/~morrow/336_09/papers/Ada.pdf
>> >>
>> >> though neither as easy-to-read nor as interesting...
>> >>
>> >> What these papers are getting as are the hidden abstract-algebraic and
>> >> information-theoretic structures underlying melody and harmony...

>> >>
>> >> What you're talking about regarding symphonies is sort of like
>> >> "narrative structure" in stories it seems like -- or "discourse
>> >> planning" in dialogue -- i.e. it's higher-level
>> >>
>> >> That level is important, for sure. But what the papers I've linked
>> >> above are getting at is a bit lower-level --- more analogous to the
>> >> syntax and phrase/sentence level semantics of language, I would say.
>> >> The algebra and information theory of melody and harmony have to work
>> >> out at the level of individual chords and melodic passages, for the
>> >> higher-level development of a symphony or other complex work to make
>> >> sense...
>> >>
>> >> About
>> >>
>> >> > I mashed all of the four symphonies together ,
>> >> > playing recordings of the 3rd 5th 6th 7th all overlayed on each
>> >> > other,
>> >>
>> >> I have done stuff like that before, but not with classical music...
>> >> with my own recordings ;) .... Do you have a sound file of your
>> >> experiment? I'd be curious to hear...
>> >>
>> >> Interestingly, the "plumbing" work we've been doing to connect OpenCog
>> >> to the Hanson robots would also enable us to use OpenCog for music
>> >> composition / improvisation experimentation ... (i.e. we've been
>> >> dealing with real-time input and output, which we hadn't been doing
>> >> before)
>> >>
>> >> But at the moment (this opinion is of course subject to revision) I
>> >> somewhat feel that the basic problem of "what makes a melody /harmony
>> >> / rhythm pattern sound emotionally and cognitively appealing" has to
>> >> be solved before one moves on to issues of symphonic structure....
>> >> I.e., we probably gotta solve folk music before we can solve Beethoven
>> >> or Bartok ...
>> >>
>> >> Meyer's old theory of "surprising fulfillment of expectations"
>> >>
>> >>
>> >>
>> >> ███
Music.pdf
>> >>
>> >> is basically correct IMO (if you don't know that book check it out,
>> >> you'll love his classical music examples) ... but the subtle point is
>> >> that the expectations and the surprise we experience are a subtle mix
>> >> of
>> >>
>> >> -- basic mathematical music-structure factors, as in the vein of the
>> >> two papers I linked above
>> >>
>> >> -- human psychology factors as modeled e.g. in Joscha's work and in
>> >> the Component Process Model (
>> >>

>> >>

>> >> http://boccignone.di.unimi.it/CompAff2015_files/Phil.%20Trans.%20R.%20Soc.%20B-2009-Scherer-3459-74.pdf)

>> >> which we have introduced into the OpenCog / Hanson Robot codebase to
>> >> fill in certain gaps in Psi

>> >>

>> >> -- human body-rhythm patterns, to do with the way the rhythms of
>> >> different subsystems of our physical bodies overlay on each other,
>> >> which we perceive all the time sub and semi consciously and which
>> >> influence our perception of music; obviously even classical music
>> >> without a drumbeat is highly rhythmic...

>> >>

>> >> -- more abstract cognitive pattern recognition

>> >>

>> >> So a good melody packs up "surprising fulfillment of expectations"
>> >> where the expectation and fulfillment are assessed according to a
>> >> combination of the above 4 factors ... and if you leave any of the
>> >> above 4 factors out you're going to get lots of "false positives" ...

>> >>

>> >> All of the above factors are there in Chinese, African etc. music as
>> >> well as Western music, but manifested in different ways...

>> >>

>> >> I can pretty clearly see how to seriously investigate the above but I
>> >> can't at the moment see a "quick and dirty" way to make huge progress
>> >> quickly ... while seemingly simple, the question of "what makes a
>> >> melody appealing" actually wraps up a lot of issues ... BODY,
>> >> EMOTION, COGNITION ... plus MATH-OF-MUSIC ...

>> >>

>> >> Fascinating stuff though ;)

>> >>

>> >> If you want to design a research programme in this direction I'd be
>> >> game to participate; I don't want to drop my other OpenCog R&D
>> >> obviously but music just fascinates me at a heart as well as head
>> >> level, so I'd be willing to put some time into this in parallel with
>> >> making the Hanson robots work... I do have a feeling that to really
>> >> crack the problem of what makes a melody sound good, one has to crack
>> >> the problem of how feeling and body and cognition work together, which
>> >> is a key problem for AGI generally speaking...

>> >>

>> >> -- Ben

>> >>

>> >> P. S.

>> >> Of course, complex development of themes and counter and sub themes
>> >> and so forth is not exclusive to Western classical music.... For
>> >> instance this 30 minute instrumental-rock song composed by Buckethead
>> >> in memoriam for his mother has incredible subtlety of development

>> >>

>> >> ███████████████████████████

>> >>

>> >> ... so many themes introduced in the first half and then complexly,
>> >> genetically crossed over and synergized in the second half.. It is my
>> >> firm conviction that Buckethead will be remembered as the Beethoven of
>> >> the early 21st century ;) ...

>> >>

>> >> For me the ultimate is Prometheus, by Scriabin, though...
>> >>
>> >> ████████████████████████████
>> >>
>> >> do you know it? Wow.... This is cognitive and emotional development
>> >> beyond the ordinary human level, such as only a true genius madman
>> >> could produce. I had an amazing mental experience in San Francisco
>> >> in 2012 listening to Prometheus 10 times in succession ... try it
>> >> sometime...
>> >>
>> >>
>> >>
>> >> On Mon, Jul 11, 2016 at 9:39 AM, jeffrey E. <████████████████████>
>> >> wrote:
>> >> > looking for AI and music. . a melody is a strange object, it is
>> >> > an
>> >> > inter
>> >> > as well as intra relation with notes and time. . there are
>> >> > inherent
>> >> > harmonies. and dissonance. . what i wrote to chonsky this moring
>> >> >
>> >> > today I conducted an experiment encouraged by Noam's wholly
>> >> > justified
>> >> > aggressive and detailed directives to joscha. . joshcha focused on
>> >> > layers
>> >> > being developed in the brain . the timing for the development of
>> >> > each
>> >> > layer
>> >> > being different per species .
>> >> > I postulate that music might be a frosted window into that
>> >> > structure.
>> >> > symphonies begin with their first " layer " a theme. in fact ,
>> >> > there
>> >> > might be more than one theme in the first layer , , the second part
>> >> > of
>> >> > symphonic form is the complex development stage. where those
>> >> > themes
>> >> > are inverted, deconstructed , reconstructed etc ,and the
>> >> > development
>> >> > stage
>> >> > takes the most time . in the conclusion of the symphonic form
>> >> > the
>> >> > recapitulation of all that has come before it forms a " phenenoma
>> >> > of
>> >> > the
>> >> > piece " a whole ,made up of its smaller concepts . As opposed to
>> >> > listening to music to record which neuron is firing, as most
>> >> > musciolgists
>> >> > attempt . I propose that the music may be the audible result of
>> >> > those
>> >> > neurons firing, made possible by a select few who would attempt to
>> >> > notate
>> >> > those neuronal firings. Beethoven for example.
>> >> >

>> >> > The experiment . I mashed all of the four symphonies together ,
>> >> > playing recordings of the 3rd 5th 6th 7th all overlayed on each
>> >> > other,
>> >> > playing at the same time. - the way a brain might develop. I
>> >> > expected
>> >> > an
>> >> > ordered noise but to the surprising contrary , IT WAS AMAZING.
>> >> > .
>> >> > you can hear new "concepts " forming,
>> >> >
>> >> > iI wonder whether in the mind of a blind child , the " music" would
>> >> > be
>> >> > created even without the visual referencial. but created none the
>> >> > less.
>> >> > later when the visual can be tied to concepts , the anatomy may be
>> >> > hijacked
>> >> > to produce sounds . that somehow relate to the concepts. .
>> >> >
>> >> > I tried to mix music from different cultures- it didn't work.
>> >> > African
>> >> > does not work with western europe,- chinese works with neither of
>> >> > the
>> >> > other
>> >> > two. but within the same cultural music (the brain of the local
>> >> > species
>> >> >) the mash ups are beautiful.
>> >> >
>> >> > I would note that computers engage in "parallel processing" only in
>> >> > order
>> >> > to take a hard problem and break it into its component parts ,
>> >> > working
>> >> > on
>> >> > each component separately, , here each problem Interacts and the
>> >> > their
>> >> > resolutions interact in remarkable ways.
>> >> > --
>> >> >
>> >> > On Sun, Jul 10, 2016 at 9:37 PM, Ben Goertzel <██████████>
>> >> > wrote:
>> >> >>
>> >> >> (i.e. being a "fiscal sponsor" for the HLAI/AGI conference is within
>> >> >> Humanity+'s mandate as a 501(c)3, so there's no problem here...)
>> >> >>
>> >> >> On Mon, Jul 11, 2016 at 9:36 AM, Ben Goertzel <██████████>
>> >> >> wrote:
>> >> >> > We can route the donation through Humanity+, which is a 501(c)3
>> >> >> > ...
>> >> >> > as
>> >> >> > we have done with some of your previous donations for my
>> >> >> > research...
>> >> >> >
>> >> >> > On Mon, Jul 11, 2016 at 9:33 AM, jeffrey E.
>> >> >> > <██████████>
>> >> >> > wrote:

>> >> >> >> is it a 501 c 3
>> >> >> >>
>> >> >> >> On Sun, Jul 10, 2016 at 9:30 PM, Ben Goertzel < ██████████ >
>> >> >> >> wrote:
>> >> >> >>>
>> >> >> >>> Hey there,
>> >> >> >>>
>> >> >> >>> Hope you're well...
>> >> >> >>>
>> >> >> >>> I'll send you another email about connecting this summer while
>> >> >> >>> I'm
>> >> >> >>> in
>> >> >> >>> the US if you'll be around...
>> >> >> >>>
>> >> >> >>> This email pertains to the AGI-16 / Human-Level AI conference
>> >> >> >>> which
>> >> >> >>> occurs upcoming week in New York (July 16-19).... at the New
>> >> >> >>> School.
>> >> >> >>>
>> >> >> >>> We are doing the last-minute nitty-gritty conference planning
>> >> >> >>> and
>> >> >> >>> find
>> >> >> >>> ourselves short on cash for snacks and for drinks at the
>> >> >> >>> conference
>> >> >> >>> reception / poster-session ... (the New School venue proved more
>> >> >> >>> costly than planned... we chose New School as an old college
>> >> >> >>> friend
>> >> >> >>> of
>> >> >> >>> mine is a prof and administrator there...)
>> >> >> >>>
>> >> >> >>> So I'm wondering if you might be willing to do a US$3000
>> >> >> >>> sponsorship
>> >> >> >>> (we have two other sponsors at the US$3000 level: Vicarious
>> >> >> >>> Systems,
>> >> >> >>> and Demiurge Technologies).... (We don't actually need the $$
>> >> >> >>> wired
>> >> >> >>> immediately, a commitment is enough)...
>> >> >> >>>
>> >> >> >>> We can then serve everyone "drinks and snacks courtesy of
>> >> >> >>> Jeffrey
>> >> >> >>> Epstein Foundation", or whatever foundation name you prefer (or
>> >> >> >>> just
>> >> >> >>> keep it quiet if you prefer)
>> >> >> >>>
>> >> >> >>> This is not insanely critical, but it would be a help... I
>> >> >> >>> believe
>> >> >> >>> these conferences are still quite valuable in terms of keeping
>> >> >> >>> free
>> >> >> >>> and open dialogue about AGI going in the research community, as
>> >> >> >>> opposed to having AGI work entirely sucked into the proprietary
>> >> >> >>> halls
>> >> >> >>> of big companies...
>> >> >> >>>
>> >> >> >>> thanks

>> >> >> >>> Ben
>> >> >> >>>
>> >> >> >>>
>> >> >> >>> --
>> >> >> >>> Ben Goertzel, PhD
>> >> >> >>> http://goertzel.org
>> >> >> >>>
>> >> >> >>> Super-benevolent super-intelligence is the thought the Global
>> >> >> >>> Brain
>> >> >> >>> is
>> >> >> >>> currently struggling to form...
>> >> >> >>
>> >> >> >>
>> >> >> >>
>> >> >> >>
>> >> >> >> --
>> >> >> >> please note
>> >> >> >> The information contained in this communication is
>> >> >> >> confidential, may be attorney-client privileged, may
>> >> >> >> constitute inside information, and is intended only for
>> >> >> >> the use of the addressee. It is the property of
>> >> >> >> JEE
>> >> >> >> Unauthorized use, disclosure or copying of this
>> >> >> >> communication or any part thereof is strictly prohibited
>> >> >> >> and may be unlawful. If you have received this
>> >> >> >> communication in error, please notify us immediately by
>> >> >> >> return e-mail or by e-mail to ███████████████, and
>> >> >> >> destroy this communication and all copies thereof,
>> >> >> >> including all attachments. copyright -all rights reserved
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>> >> >> > Ben Goertzel, PhD
>> >> >> > http://goertzel.org
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>> >> >> > Super-benevolent super-intelligence is the thought the Global
>> >> >> > Brain
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>> currently struggling to form...
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currently struggling to form...