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**From:** Deepak Chopra <[REDACTED]>  
**Sent:** Sunday, July 31, 2016 1:57 AM  
**To:** Jeff Epstein  
**Subject:** Fw: From State Space to Safe Space ;-)

See thread

2013 Costa Del Mar Road  
Carlsbad, CA 92009  
The Chopra Foundation <<http://www.choprafoundation.org/>> <<http://www.choprafoundation.org/>>

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<<http://www.amazon.com/Super-Genes-Astonishing-Optimum-Well-Being/dp/0804140138/deepakchcom07-20>>

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From: Deepak Chopra  
Sent: Saturday, July 30, 2016 9:55 PM  
To: JACK SARFATTI  
Subject: Re: From State Space to Safe Space ;-)

Good to know

The universe exists in consciousness then !

Infinite possibilities in mathematical space in human consciousness appearing as stuff as "stuff" as a perceptual experience also in human consciousness !

Amazing --we are finally in agreement !

Thanks

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From: JACK SARFATTI <[REDACTED]>  
Sent: Saturday, July 30, 2016 9:44:03 PM  
To: Deepak Chopra  
Subject: Re: From State Space to Safe Space ;-)

On Jul 30, 2016, at 12:54 AM, Deepak Chopra <[REDACTED]> wrote:

So its an abstract mathematical space ? In mathematical imagination ?

yes

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<[http://ecx.images-amazon.com/images/I/51ryZ4SaSrL.\\_SL500\\_SS115\\_.jpg](http://ecx.images-amazon.com/images/I/51ryZ4SaSrL._SL500_SS115_.jpg)>

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From: JACK SARFATTI <[REDACTED]>  
Sent: Friday, July 29, 2016 11:05:24 PM  
To: [REDACTED]  
Cc: Jim Johnston [REDACTED]; Deepak Chopra; David Kaiser; John Horgan; Gary Zukav; [REDACTED]; Leanne Whitney; [REDACTED]; Saul-Paul Sirag; [REDACTED]; Gary S Bekkum; Stuart R - (hameroff) [REDACTED]; Hameroff; Henry P. Stapp; [REDACTED]; George Johnson; [REDACTED]; art wagner; [REDACTED]; nick herbert; Jagdish Mann; [REDACTED]; John Alexander; [REDACTED]; [REDACTED]  
Subject: From State Space to Safe Space ;-)

State space - Wikipedia, the free encyclopedia <[https://en.wikipedia.org/wiki/State\\_space](https://en.wikipedia.org/wiki/State_space)>

[https://en.wikipedia.org/wiki/State\\_space](https://en.wikipedia.org/wiki/State_space)

<<https://www.google.com/search?client=safari&rls=en&q=State+Space&ie=UTF-8&oe=UTF-8#>>

1.

<[https://webcache.googleusercontent.com/search?q=cache:9gtPJifi1FsJ:https://en.wikipedia.org/wiki/State\\_space+&cd=9&hl=en&ct=clnk&gl=us&client=safari](https://webcache.googleusercontent.com/search?q=cache:9gtPJifi1FsJ:https://en.wikipedia.org/wiki/State_space+&cd=9&hl=en&ct=clnk&gl=us&client=safari)>

2.

<[https://www.google.com/search?client=safari&rls=en&q=related:https://en.wikipedia.org/wiki/State\\_space+State+Space&tbo=1&sa=X&ved=0ahUKEwi24ZS0mZrOAhUM9GMKHaDaAWYQHwhEMAg](https://www.google.com/search?client=safari&rls=en&q=related:https://en.wikipedia.org/wiki/State_space+State+Space&tbo=1&sa=X&ved=0ahUKEwi24ZS0mZrOAhUM9GMKHaDaAWYQHwhEMAg)>

Wikipedia

In the theory of discrete dynamical systems, a state space is the set of values which a process can take. For example, a system in queueing theory recording the number of customers in a line would have state space {0, 1, 2, 3, ...}.

State-space representation <[https://en.wikipedia.org/wiki/State-space\\_representation](https://en.wikipedia.org/wiki/State-space_representation)> · State space (physics) <[https://en.wikipedia.org/wiki/State\\_space\\_\(physics\)](https://en.wikipedia.org/wiki/State_space_(physics))> · State space search <[https://en.wikipedia.org/wiki/State\\_space\\_search](https://en.wikipedia.org/wiki/State_space_search)>

In physics <<https://en.wikipedia.org/wiki/Physics>> , a state space is an abstract space <<https://en.wikipedia.org/wiki/Space>> in which different "positions" represent, not literal locations, but rather states <[https://en.wikipedia.org/wiki/State\\_\(disambiguation\)#Physics](https://en.wikipedia.org/wiki/State_(disambiguation)#Physics)> of some physical system. This makes it a type of phase space <[https://en.wikipedia.org/wiki/Phase\\_space](https://en.wikipedia.org/wiki/Phase_space)> .

Specifically, in quantum mechanics <[https://en.wikipedia.org/wiki/Quantum\\_mechanics](https://en.wikipedia.org/wiki/Quantum_mechanics)> a state space is a complex <[https://en.wikipedia.org/wiki/Complex\\_number](https://en.wikipedia.org/wiki/Complex_number)> Hilbert space <[https://en.wikipedia.org/wiki/Hilbert\\_space](https://en.wikipedia.org/wiki/Hilbert_space)> in which the possible instantaneous states of the system may be described by unit vectors <[https://en.wikipedia.org/wiki/Unit\\_vector](https://en.wikipedia.org/wiki/Unit_vector)> . These state vectors <[https://en.wikipedia.org/wiki/Quantum\\_state](https://en.wikipedia.org/wiki/Quantum_state)> , using Dirac's <[https://en.wikipedia.org/wiki/Paul\\_Dirac](https://en.wikipedia.org/wiki/Paul_Dirac)> bra–ket notation <<https://en.wikipedia.org/wiki/Bra%20ket%20notation>> , can often be treated like coordinate vectors <[https://en.wikipedia.org/wiki/Coordinate\\_vector](https://en.wikipedia.org/wiki/Coordinate_vector)> and operated on using the rules of linear algebra <[https://en.wikipedia.org/wiki/Linear\\_algebra](https://en.wikipedia.org/wiki/Linear_algebra)> . This Dirac <<https://en.wikipedia.org/wiki/Bra%20ket%20notation>> formalism of quantum mechanics <[https://en.wikipedia.org/wiki/Mathematical\\_formulation\\_of\\_quantum\\_mechanics](https://en.wikipedia.org/wiki/Mathematical_formulation_of_quantum_mechanics)> can replace calculation of complicated integrals <<https://en.wikipedia.org/wiki/Integrals>> with simpler vector operations.

See also[edit <[https://en.wikipedia.org/w/index.php?title=State\\_space\\_\(physics\)&action=edit&section=1](https://en.wikipedia.org/w/index.php?title=State_space_(physics)&action=edit&section=1)> ]

- \* Configuration space <[https://en.wikipedia.org/wiki/Configuration\\_space](https://en.wikipedia.org/wiki/Configuration_space)> for the space of possible positions that a physical system may attain.
- \* State space (controls) <[https://en.wikipedia.org/wiki/State\\_space\\_\(controls\)](https://en.wikipedia.org/wiki/State_space_(controls))> for information about state space in control engineering.
- \* State space <[https://en.wikipedia.org/wiki/State\\_space](https://en.wikipedia.org/wiki/State_space)> for information about discrete state space in computer science.
- \*

In educational institutions, safe-space (or safe space), safer-space, and positive space originally were terms used to indicate that a teacher <<https://en.wikipedia.org/wiki/Teacher>> , educational institution or student body does not tolerate anti-LGBT violence <[https://en.wikipedia.org/wiki/Violence\\_against\\_LGBT\\_people](https://en.wikipedia.org/wiki/Violence_against_LGBT_people)> , harassment <<https://en.wikipedia.org/wiki/Harassment>> or hate speech <[https://en.wikipedia.org/wiki/Hate\\_speech](https://en.wikipedia.org/wiki/Hate_speech)> , thereby creating a safe <<https://en.wikipedia.org/wiki/Safety>> place for all lesbian <<https://en.wikipedia.org/wiki/Lesbian>> , gay <<https://en.wikipedia.org/wiki/Gay>> , bisexual <<https://en.wikipedia.org/wiki/Bisexual>> , and transgender <<https://en.wikipedia.org/wiki/Transgender>> students. The term safe space has been extended to refer to a space for individuals who are marginalized to come together to communicate regarding their experiences with marginalization, typically on a university campus.[2] <[https://en.wikipedia.org/wiki/Safe-space#cite\\_note-2](https://en.wikipedia.org/wiki/Safe-space#cite_note-2)> It is criticised by many[who? <[https://en.wikipedia.org/wiki/Wikipedia:Manual\\_of\\_Style/Words\\_to\\_watch#Unsupported\\_attributions](https://en.wikipedia.org/wiki/Wikipedia:Manual_of_Style/Words_to_watch#Unsupported_attributions)> ] for being contrary to freedom of speech.

<https://en.wikipedia.org/wiki/Safe-space>

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1.

<<http://webcache.googleusercontent.com/search?q=cache:Rx7oVYoj0LQJ:humweb.ucsc.edu/feministstudies/faculty/barad/barad-natures-queer-performativity.pdf+&cd=1&hl=en&ct=clnk&gl=us&client=safari>>

2.

<<https://www.google.com/search?client=safari&rls=en&q=related:humweb.ucsc.edu/feministstudies/faculty/barad/barad-natures-queer-performativity.pdf+Karen+Barad+Queer+Atoms&tbo=1&sa=X&ved=0ahUKEwjDu-v7mZrOAhVOyGMKHRqoCycQHwgiMAA>>

by K BARAD - Cited by 118 <<https://scholar.google.com/scholar?client=safari&rls=en&oe=UTF-8&um=1&ie=UTF-8&lr&citeseq=4980633259396850270>> - Related articles

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Oct 9, 2007 - BY KAREN BARAD. How can the possibility of the queer- ness of one of the most pervasive of all critters – atoms – be entertained?

Karen Barad - Nature's Queer Performativity.pdf - Scribd

<<https://www.scribd.com/document/125521964/Karen-Barad-Nature-s-Queer-Performativity-pdf>>

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1. <<http://webcache.googleusercontent.com/search?q=cache:tUsEchp-XoAJ:https://www.scribd.com/document/125521964/Karen-Barad-Nature-s-Queer-Performativity-pdf+&cd=2&hl=en&ct=clnk&gl=us&client=safari>>

karen barad .... Barad: Nature's Queer Performativity 127 ing an eye (or. .... Barad: Nature's QueerPerformativity 137 each atom has a nucleus (made up of ...

"Intra-actions" (Interview of Karen Barad by Adam Kleinmann) | Karen ...

<[http://www.academia.edu/1857617/\\_Intra-actions\\_Interview\\_of\\_Karen\\_Brad\\_by\\_Adam\\_Kleinmann\\_](http://www.academia.edu/1857617/_Intra-actions_Interview_of_Karen_Brad_by_Adam_Kleinmann_)>

<[http://www.academia.edu/.../\\_Intra-actions\\_Interview\\_of\\_<http://www.academia.edu/.../\\_Intra-actions\\_Interview\\_of\\_>\\_Karen\\_Brad\\_by\\_...](http://www.academia.edu/.../_Intra-actions_Interview_of_<http://www.academia.edu/.../_Intra-actions_Interview_of_>_Karen_Brad_by_...)>

<<https://www.google.com/search?client=safari&rls=en&q=Karen+Barad+Queer+Atoms&ie=UTF-8&oe=UTF-8#>>

1.

<[http://webcache.googleusercontent.com/search?q=cache:tLxvl5V0OSEJ:www.academia.edu/1857617/\\_Intra-actions\\_Interview\\_of\\_Karen\\_Brad\\_by\\_Adam\\_Kleinmann\\_+&cd=3&hl=en&ct=clnk&gl=us&client=safari](http://webcache.googleusercontent.com/search?q=cache:tLxvl5V0OSEJ:www.academia.edu/1857617/_Intra-actions_Interview_of_Karen_Brad_by_Adam_Kleinmann_+&cd=3&hl=en&ct=clnk&gl=us&client=safari)>

2. <[https://www.google.com/search?client=safari&rls=en&q=related:www.academia.edu/1857617/\\_Intra-actions\\_Interview\\_of\\_Karen\\_Brad\\_by\\_Adam\\_Kleinmann\\_+Karen+Barad+Queer+Atoms&tbo=1&sa=X&ved=0ahUKEwjDu-v7mZrOAhVOyGMKHRqoCycQHwgxMAI](https://www.google.com/search?client=safari&rls=en&q=related:www.academia.edu/1857617/_Intra-actions_Interview_of_Karen_Brad_by_Adam_Kleinmann_+Karen+Barad+Queer+Atoms&tbo=1&sa=X&ved=0ahUKEwjDu-v7mZrOAhVOyGMKHRqoCycQHwgxMAI)>

Academia.edu <<http://academia.edu/>>

By Karen Barad in Creative Writing and Creative Writing. ... a lesbo, a tranny, or gender-queer? ak: On the topic of critters, you have included atoms as such.

Nature's Queer Performativity\* | Barad | Kvinder, Køn & Forskning  
<<https://tidsskrift.dk/index.php/KKF/article/view/51863>>

<https://tidsskrift.dk/index.php/KKF/article/view/51863>

<<https://www.google.com/search?client=safari&rls=en&q=Karen+Barad+Queer+Atoms&ie=UTF-8&oe=UTF-8#>>

1.

<<https://webcache.googleusercontent.com/search?q=cache:XJqphVT1w9cJ:https://tidsskrift.dk/index.php/KKF/article/view/51863+&cd=4&hl=en&ct=clnk&gl=us&client=safari>>

2.

<<https://www.google.com/search?client=safari&rls=en&q=related:https://tidsskrift.dk/index.php/KKF/article/view/51863+Karen+Barad+Queer+Atoms&tbo=1&sa=X&ved=0ahUKEwjDu-v7mZrOAhVOyGMKHRqoCycQHwg4MAM>>

by K Barad - Cited by 118 <<https://scholar.google.com/scholar?client=safari&rls=en&oe=UTF-8&um=1&ie=UTF-8&lr&citess=4980633259396850270>> - Related articles

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In this article, Karen Barad entertains the possibility of the queerness of one of the most pervasive of all critters – atoms. These “ultraqueer” critters with their ...

On Jul 29, 2016, at 6:55 PM, Paul Zielinski <[REDACTED]> > wrote:

Huh? The message below lists a set of topics that Chris had evidently forgotten we'd been discussing.

Does that offend you?

On 7/29/2016 6:07 PM, Jim Johnston wrote:

Jack,

This conversation has evolved into the emotional level of a kindergarten class.

The language used indicates such.

Letting go of the need to answer every statement that may not conform to your beliefs,

and letting go of the trash talk, hard as that may be, is really needed.

Respect for others, independent of their beliefs, would be helpful.

Trash talk reduces the ability of others to hear you.

Cut down on your fights, and present them with decorum; others are more likely to hear you.

Jim

On Fri, Jul 29, 2016 at 5:11 PM, Paul Zielinski <[REDACTED]> wrote:

your claim to be able  
Since you now appear to be suffering from short term memory loss, we were discussing  
to "verify" an ontology a priori by the application of pure logic, contra Kant's arguments  
in the Kritik.

The subjects I just listed in a previous email are epistemology, mathematical logic,  
model theory, etc.

On 7/29/2016 5:06 PM, Chris Langan wrote:

The only question is, about what?

On Fri, Jul 29, 2016 at 7:05 PM, Paul Zielinski <[REDACTED]> wrote:

At least I actually know what I'm talking about.

On 7/29/2016 5:00 PM, Chris Langan wrote:

"But I guess it's nice to have a groupie."

Paul, don't ever change. Just keep on stinking, you goofy little guy you! (How  
lovable can you possibly get? ;)

On Fri, Jul 29, 2016 at 6:31 PM, Paul Zielinski <[REDACTED]> wrote:

Michelle clearly has little no discernment to speak of.

I doubt she knows the first thing about epistemology, mathematical logic, model  
theory, etc -- the technical subjects that Chris claims to be expert in.

But I guess it's nice to have a groupie.

On 7/29/2016 1:11 PM, JACK SARFATTI wrote:

B\$

On Jul 28, 2016, at 12:49 PM, Michelle Kathryn McGee

[REDACTED] > wrote:

PZ: I notice no one has complained about Langan's recent trash talk. Double standard?

Not a double standard. It's called discernment.

It's the same reason that Sean and others are often able to refer to religion or politics on this forum without creating offense. Discernment -- a state of flow in relation to judgment.

As to your other "question" re: ontology, I think the subject of your objections has already been fully addressed and is now exhausted.

--

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