

Partial Reading List and Notes
Lawrence C. Chin

May – October, 2022

17 May

Downtown library. Checked out Brandon R. Brown, *Planck* (2015) and J. L. Heilbron, *The Dilemmas of an Upright Man: Max Planck and the Fortunes of German Sciences* (1996/ 2000). Will be reading mostly the former.

20 May

Downloaded, and started working on: (1) Heinz Schade/ Klaus Neemann, *Tensoranalysis* (de Gruyter Lehrbuch, 1996/ 2006, 2nd ed.); (2) Edmund Bertschinger, *Introduction to Tensor Calculus for General Relativity*, MIT, Physics 8.962, Spring 2000.

21 May

Excellent doku: STRG_F, “Geheimplan ‘Bevölkerungsaustausch’: Was ist dran?”, 10.03.2020.

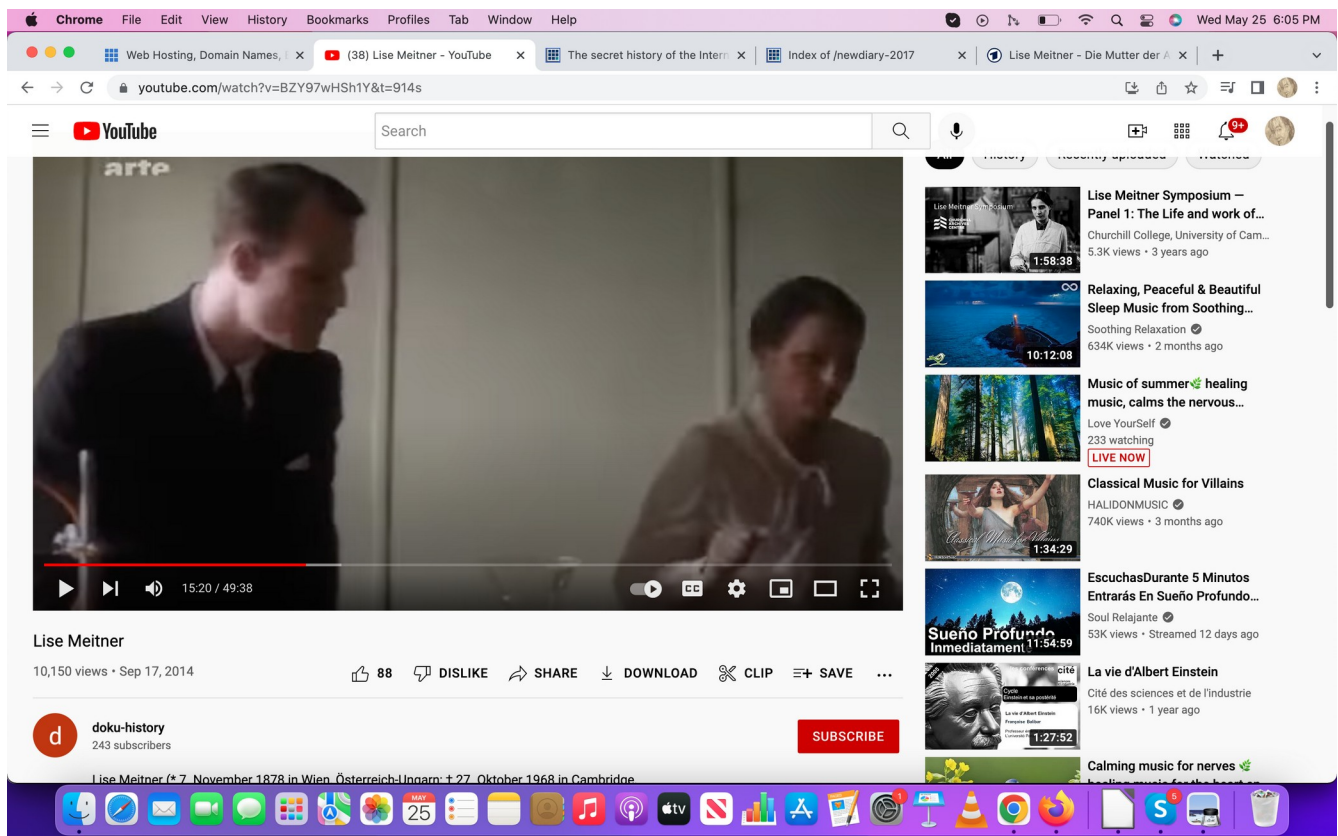
22 May

Downtown library: checked out Sabine Hossenfelder’s *Lost in Math*.

Also downloaded her excellent lecture, “The closest thing we have to a theory of everything”. Then, also the DW doku: “Muerte en la discoteca: El ambiente nocturno de Berlin y las drogas” (18.05.2022).

24 May

Finished the excellent ARTE doku on Lise Meitner (“Die Mutter der Atombomben?”).



25 May

Since the Schade/ Neemann book is too difficult, switched to Claus Poltermann's "Tensoranalysis Allgemeine Relativitätstheorie" (astronomie-erding.de, 08.04.2017)

Also downloaded Sabine's book in Spanish and Italian translation.

26 May

The excellent doku on "No-Go Zones" (Tepito in Mexico City) (15.05.2022).

28 May

Downloaded more:

- (1) Helmut Rumpf, "Relativitätstheorie und Kosmologie", II, Sommersemester 2016. (The introduction is especially exciting.)
- (2) Prof. Dr. Kühn, "Mitschrieb zur Vorlesung: allgemeine Relativitätstheorie", Wintersemester 2005/ 2006.
- (3) Motschmann, Simon, Narita, Kriegel, Meier, & Feyerabend, "Allgemeine Relativitätstheorie", Wintersemester 2019/ 2020.
- (4) Michael Ruhrländer, *Allgemeine Relativitätstheorie Schritt für Schritt* (Springer, 2021). (Excellent Introduction, but the content seems very difficult.)

29 May

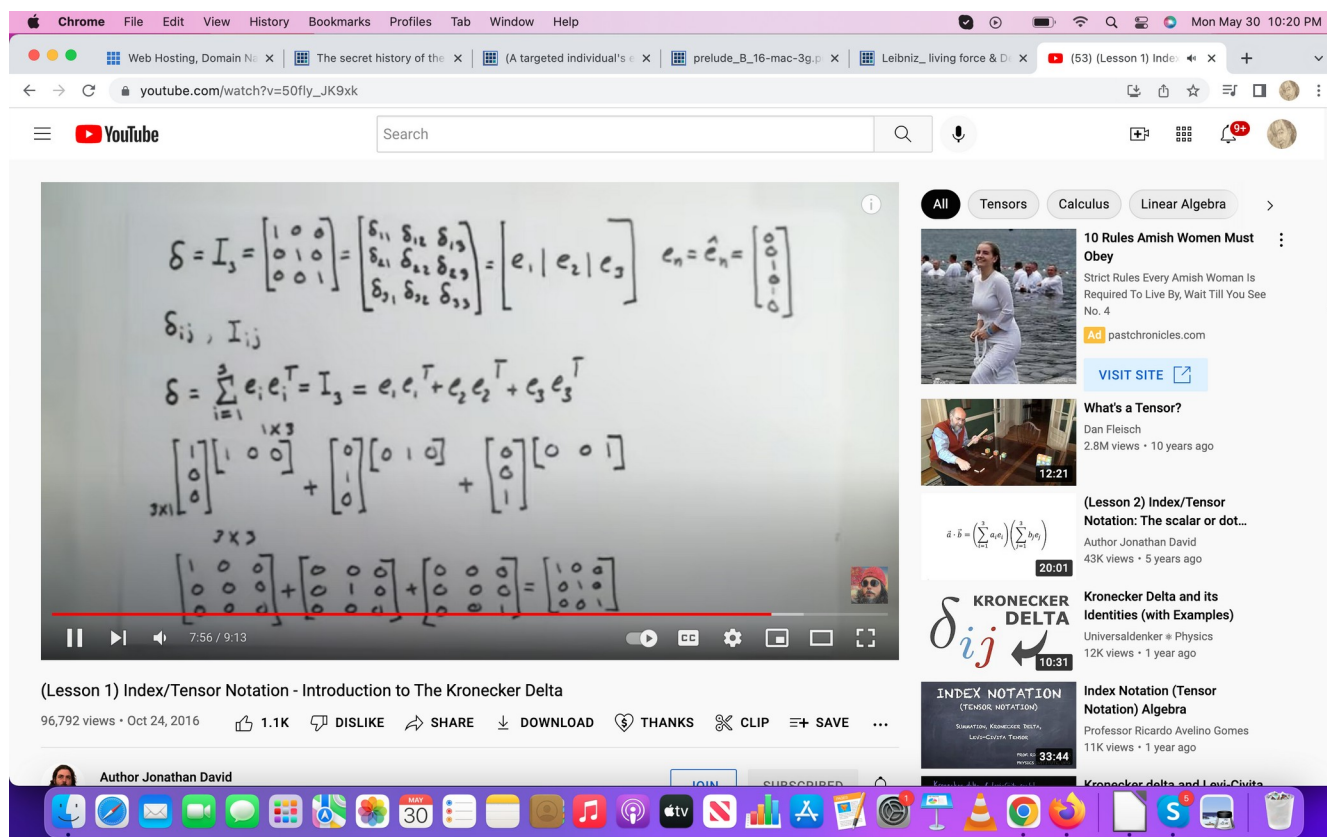
Downloaded Bazzell's *Unredacted* 06.2022 (2nd) issue.

30 May

Downloaded, and browsed:

- (1) Gert Schubring, *Geschichte der Mathematik in ihren Kontexten*;
- (2) Leopold Kronecker, *Vorlesungen über Zahlentheorie: 1ster Band* (1901; ed. Kurt Hensel);
- (3) Jean-Pierre Escofier, *Petite histoire des mathématiques* (Dunod, 2016);
- (4) Amy Dahan-Dalmedico/ Jeanne Peiffer, *Une histoire des mathématiques* (1982/ 1986).

While the lesson with Poltermann continues, also started using *Schaum's Outlines: Vector Analysis*.

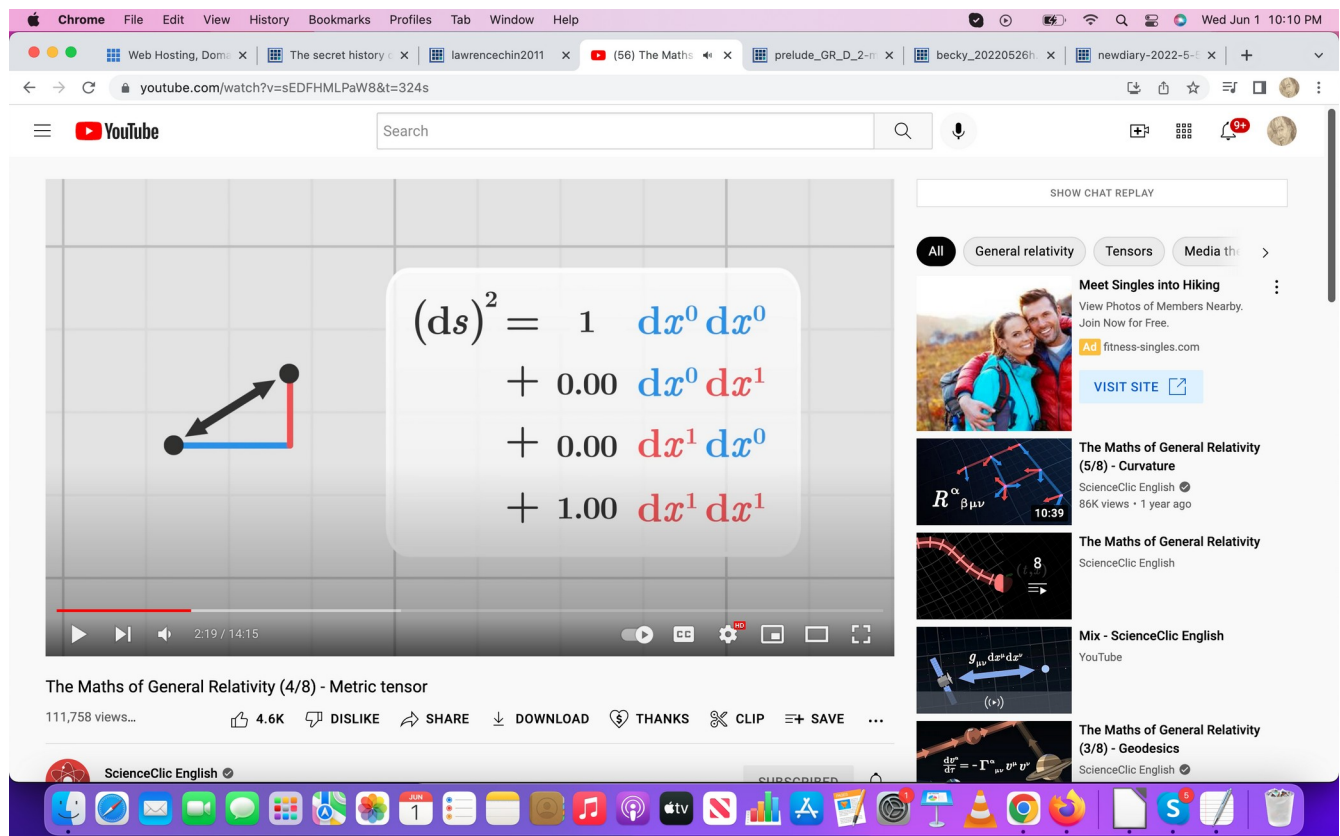


More lessons on Youtube too.

1 June

While working on this tutorial video from ScienceClic English and seeing how the Pythagorean Theorem is but a special case of metric tensor, suddenly appreciated Schubring's words in the beginning of *Geschichte der Mathematik in ihren Kontexten*:

Anders als in den Naturwissenschaften, in denen nach einer Revolution, gemäß Thomas Kuhn..., das bisherige Paradigma durch ein neues ersetzt und somit die gesamte Wissenschaft neu strukturiert wird, sind in der Mathematik die in früheren Phasen erzielten Ergebnisse auch nach Neu-Strukturierungen nicht wertlos, sondern können sich als Spezialfälle erweisen...



Namely, the Pythagorean Theorem has never become obsolete after metric tensor is discovered, but has merely shown itself to be derivative from a more complex, underlying structure.

2 June

Downloaded Sabine Hossenfelder's *Experimental Search for Quantum Gravity*. Merely read her Introduction and browsed through the articles.

Excellent DW doku: "Wikipedia: Ventajas y riesgos de la enciclopedia en línea" (01.06.2022).

3 June

It's interesting to read Sabine quoting Steven Weinberg's words about Parmenides. "For example, Parmenides had an incredibly simple theory of nature that nothing ever changes. It's contradicted by experience, but he never went to the trouble of reconciling appearance with his theory of unchangeableness." Certainly, Parmenides was right. Just think about general relativity: any object's velocity through spacetime is always c . When one is stationary and thus is not traveling through space, one is traveling at velocity c through time. When one accelerates through space with the help of

machines, one has merely caused a redistribution of the total spacetime-distance travelled along the space and time axes (more space travelled = less time experienced). One can never alter the fact that one is traveling at a constant velocity c through spacetime no matter what one does. Change is but an illusion: at the underlying level nothing ever changes.

Continued with ScienceClic's series on "The maths of general relativity". (The series was created by Alessandro Roussel.)

4 June

Poltermann now got too difficult, and switched back to Schade/ Neemann.

5 June

And the others.

Also downloaded, and read/ browsed:

- (1) C. F. Geiser & L. Maurer, "Elwin Bruno Christoffel";
- (2) Paul L. Butzer, "An outline of the life and work of E. B. Christoffel".
- (3) Thibault Damour, *Si Einstein m'était conté* – the 2012 edition.

Excellent ARTE Doku: "Centrafrique: le soft power russe" (06.06.2022).

7 June

For the neoliberal-engendered problem "the smarter getting smarter and the dumber getting dumber" Rosa seems to provide an explanation in his concept of "desynchronization" (here, between different social groups) (*Spätmoderne in der Krise*, p. 205).

8 June

- (1) Chuong Nguyen's interview with Harvey Mansfield, 16.02.2022.
- (2) Conversation with Bill Kristol, 21.10.2021: Harvey Mansfield on Machiavelli as the founder of modernity.

10 June

The physicists whom Sabine has interviewed in *Lost in Math*:

- (1) Gian Francesco Giudice (CERN).
- (2) Gordon "Gordy" Kane (University of Michigan) – supersymmetry and string theory.
- (3) Michael Krämer (Aachen).
- (4) Keith Olive (University of Minnesota).
- (5) Nima Arkani-Hamed (Princeton University).
- (6) Steven Weinberg (University of Texas at Austin) – deceased.
- (7) Chad Orzel (Union College, Schenectady).

- (8) Frank Wilczek (MIT).
- (9) (*) Garrett Lisi (Maui) – **E8 Lie Group**.
- (10) Joseph Polchinski (UC Santa Barbara) – string theory/ **black hole firewalls**.
- (11) Xiao-Gang Wen (文小刚) (MIT) – condensed matter physics/ **qubits as the fundamental units**.
- (12) Katherine “Katie” Mack (“Astrokatie”) (University of Melbourne) – astrophysics.
- (13) George Ellis (University of Cape Town) – cosmology (wrote *The Large Scale Structure of Space-Time* with Stephen Hawking).
- (14) Doyne Farmer (Oxford Martin School) – econophysics.

Theorists (and thinkers) specially mentioned:

- (1) Alain Connes – **spectral geometry**.
- (2) Edward Witten – **string theory**.
- (3) Richard Dawid – **non-empirical criteria for the assessment of theories**.
- (4) James William McAllister – *Beauty and Revolution in Science*.
- (5) Lars Brink/ Marc Henneaux – **string theory**.
- (6) John Schwarz – **string theory**.
- (7) Alan Sokal – **the Sokal Affair**.
- (8) Juan Maldacena/ Leonard Susskind – **quantum entanglement caused by wormholes**.

(*) The phenomenology of quantum gravity – to discover things at lower energies that would confirm the theory.

11 June

Continued on with A. R.’s “The math of general relativity”.

12 June

Downloaded Richard Dedekind, “Bernhard Riemanns Lebenslauf” (archiv.ub.uni-heidelberg.de).

13 June

Sabine Hossenfelder, “Can particles really be in two places at once?” (12.06.2022)

History Channel, “Modern Marvels: the Manhattan Project” (30.05.2020)

Franz-Olivier Giesbert/ Rachel Kahn, “Jacques Chirac”.

14 June

More videos:

Khan Academy, “Introduction to complex numbers” (12.02.2014).

The Morpheus tutorial, “Yubikey” (10.10.2020).

So geht Chromebook, “Yubikey” (24.01.2021).

Finished reading Sabine’s *Lost-in-Math*.

15 June

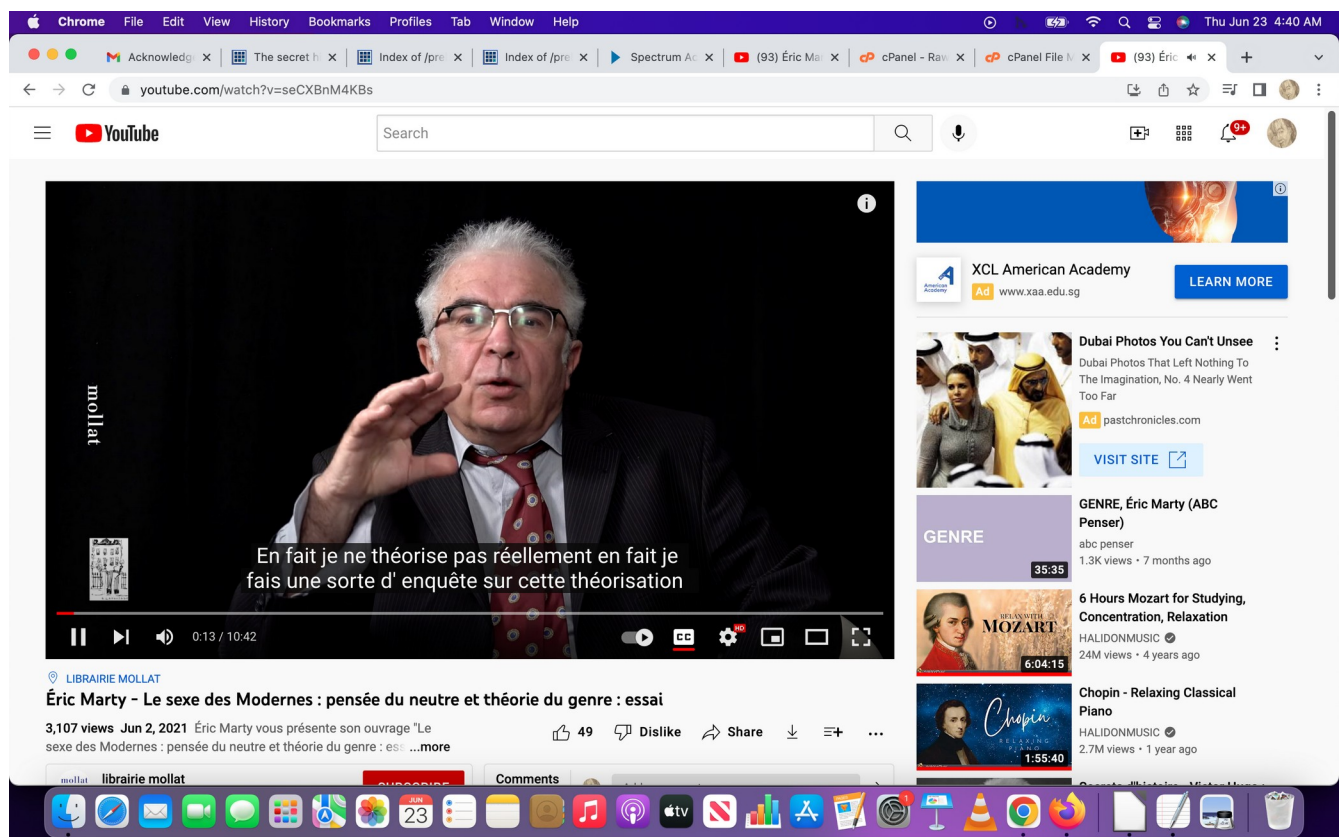
The Cold War, “The Rosenberg Spy Affair” (25.01.2020).

18 June

Itakura Kimie, “Challenging the myth of of the male Emperor: new light on the society of ancient Japan”, nippon.com, 10.06.2022. Also the Japanese original: 古代女性史から解き明かす皇位継承のジェンダーバイアス, 26.05.2022. The feminist historian Yoshie Akiko’s (義江明子) quest for the truth about Queen Himiko.

23 June

Spent two hours browsing through Eric Marty’s *Le sexe des modernes* and listening to his presentation of his book.



The screenshot shows a YouTube video player interface. The video is titled "Éric Marty - Le sexe des Modernes : pensée du neutre et théorie du genre : essai" and has 3,107 views. The video content shows a man speaking with French subtitles: "En fait je ne théorise pas réellement en fait je fais une sorte d'enquête sur cette théorisation". The video player interface includes a search bar, a video player with controls, and a sidebar with recommended videos and ads.

25 June

Started seriously doing EigenChris’ “Tensors for Beginners”.

26 June

Also started exploring “Physics videos by Eugene Khutoryansky” (Tensors and General Relativity).

27 June

Done with Rosa's "Best Account: Skizze..."

EigenChris' "Schwarzschild Metric" led one to download Schwarzschild's *Collected Works*, Vol. 1.

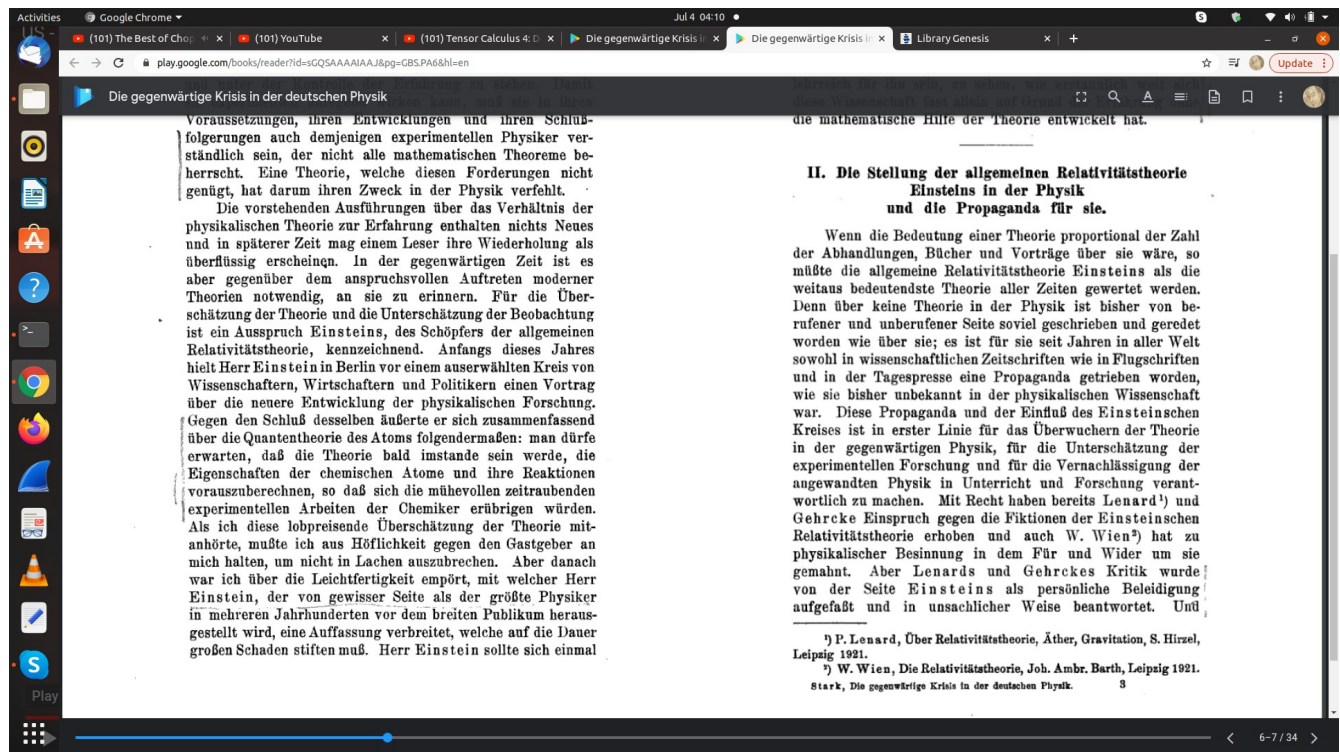
29 June

Downtown library. Before returning them, read more of Khawaja's *Kali Linux Penetration Testing Bible* and Dostoevsky's *Notes from the Underground*. Then discovered the Chinese translation of Plato: 柏拉圖全集, 王曉朝; with preface by 汪子嵩. (The history of translating Plato in China and the forgeries of Plato's dialogues.)

4 July

Browsed through Einstein's 1911 (the bending of light) and 1917 (cosmological constant) papers.

Because of Brown's Planck book, also read part of Johannes Stark's *Die gegenwärtigen Krise in der deutschen Physik*. (The next day, this book will no longer be found on Google search results, although one can still see it in one's Google Play account.)

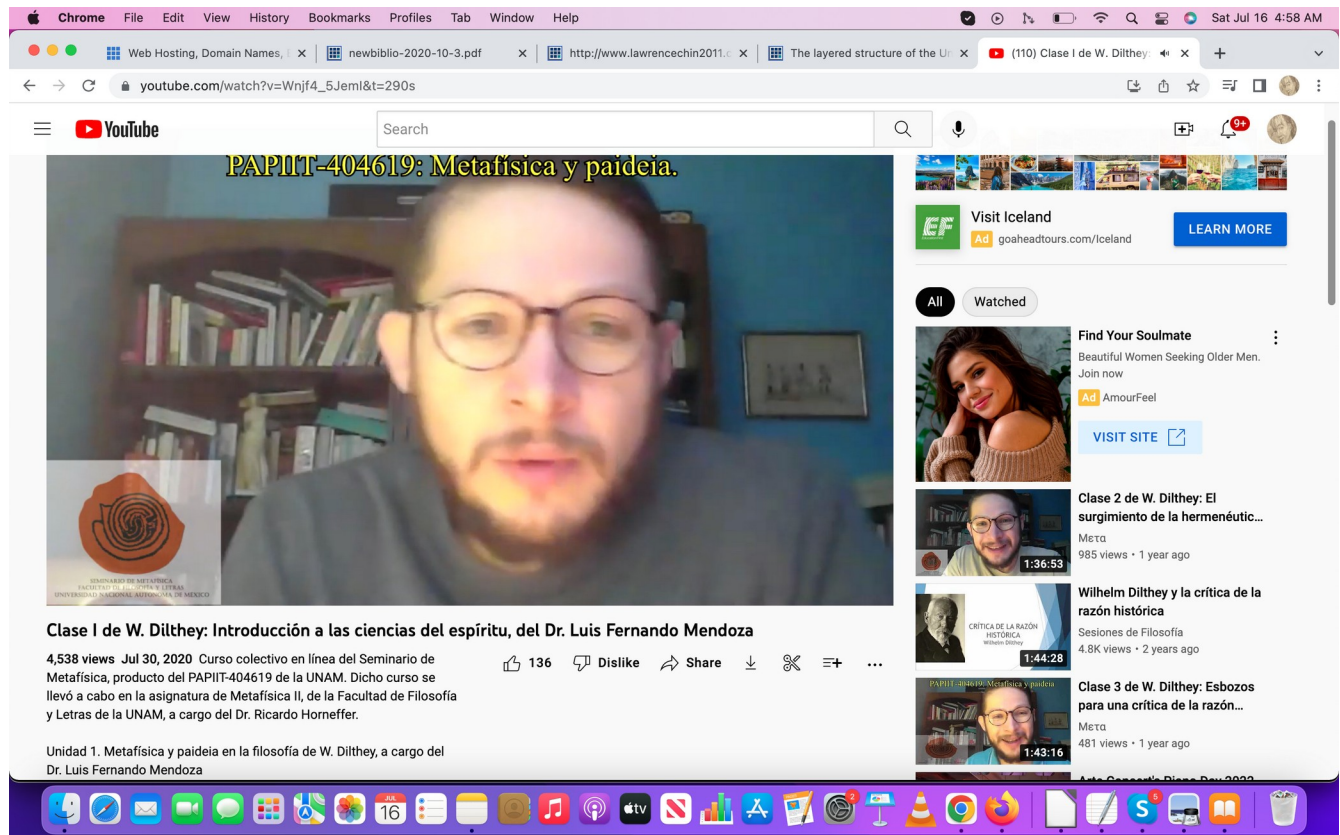


5 July

Also read Mark Walker's "The rise and fall of an 'Aryan' physicist" – the life of Johannes Stark. (A chapter in MW's *Nazi Science*.)

13 July

Luis Fernando Mendoza's lecture on Dilthey (UNAM).



15 July

Had been watching EigenChris' tensors and relativity videos almost daily (while continuing with the Brandon Brown's Planck book and Reckwitz).

16 July

Had been reading Kamielle Freeman's thesis, "A Historical Overview of Connections in Geometry" (2008).

19 July

Continued on with Reckwitz's "Gesellschaftstheorie als Werkzeug". When he talks about this *kritische Analytik* – concerned with how a system that is set up on the promise of freedom and liberation has itself become oppressive, and how a system that is set up on the claim to help everyone make it

(universal equality) has itself produced a bunch of losers (a new hierarchy) – it really sounds like he’s talking about our politically incorrect theories.

20 July

Again, Reckwitz, when describing KA, seems to be talking about our theories.

The strategies of Critical Analytic “besteht darin, herauszuarbeiten, dass die Dinge nicht so sind, wie sie im offiziellen gesellschaftlichen Diskurs zu sein scheinen” (“Werkzeug”, p. 136).

“Die wissenschaftliche Kontingenzöffnung kann im günstigsten Fall gegenüber dem wissenschaftlichen und außerwissenschaftlichen Publikum eine ähnliche Wirkung der Irritation des Vertrauten entfalten, wie es auch für die postavantgardistische Kunst gilt” (p. 137).

Critical Analytic “betreibt eine Politisierung, indem sie bisher unsichtbare Zusammenhänge sichtbar macht, sie dem scheinbar Selbstverständlichen entzieht und potenziell zum Gegenstand einer offenen Debatte werden lässt” (ibid.).

“Mein Ausgangspunkt lautet jedoch, dass die intellektuelle Kontingenzöffnung, das heißt das Transparentmachen sozialer Zusammenhänge, das Aufzeigen ihrer sozialen Zwänge und Naturalisierungen, ihrer unerkannten Strukturen, nichtintendierten Folgen und instabilen Gemengelagen, tatsächlich per se erstrebenswert ist” (p. 138).

22 July

60 Minutes Australia, “The downfall of Elizabeth Holmes”, 17.07.2022. Excellent!

23 July

Strangely, learned from EigenChris that the conservation of energy is not an absolute principle:

According To Noether's Theorem:

- “Conservation of Energy” only holds globally if the universe is **invariant under time-translations**
- If the universe’s scale $a(t)$ is changing overtime, **we don't have time-translation symmetry**

Emmy Noether (1882-1935)

Relativity 110f: Cosmology - Friedmann Equations Derivation + Universe Evolution Models (FINALE)
 1,820 views Jul 22, 2022 Full relativity playlist:
<https://www.youtube.com/playlist?list=...> ...more

134 Likes Dislike Share Download ...

eigenchris 60.5K subscribers SUBSCRIBED Comments 25 The ending is the most beautiful thing I've seen in my entire physics career. Mathematical proofs in...

Reckwitz, “Werkzeug”, p. 143. He might be sympathetic to our theory because he would be against “white supremacy” during the age of “Industrial Modern” (when “white supremacy” was absolute) but would want to leave room for “white supremacy” today in the postmodern age (when “women and minorities” has suddenly become absolute). In general, he would be quite in agreement with Arlie Russell Hochschild (*Strangers In Their Own Land*).

24 July

Despite the torture, Ransom Stephens, “Emmy Noether and the fabric of reality” (Google Tech Talk, 16.06.2010).

27 July

Downloaded, and started reading, Tanja Bogusz, *Zur Aktualität von Luc Boltanski* (2010)

Julia Ainsley and Courtney Kube, “China tried to obtain internal info, build a network of informants inside Federal Reserve, says new GOP report” (Yahoo Finance, 26.07.2022).

30 July

Australia 60 Minutes on JonBenét Ramsey’s killer (24.07.2022): the police’s refusal to consider alternative theories that the parents didn’t do it and surrender the DNA evidence to outside investigators.

31 July

Graham Farmelo, “Paul Dirac and the religion of mathematical beauty”, Royal Society, 04.03.2011. (Did one already hear this before?)

Wesley Lowery discusses Ernest Withers (civil rights photographer/ FBI informant) on PBS Newshour.

Ernst Peter Fischer, “Portrait Wolfgang Pauli” (Urknall, Weltall, und das Leben, 01.07.2018).

2 August

An excellent presentation by Andreas Müller, “Gravitation: Jenseits von Einsteins Theorie” (Urknall, Weltall, und das Leben, 10.03.2022).

3 August

Finished reading Brandon Brown’s *Planck*.

5 August

Georg Singer’s introduction to his translation of Alexander Friedmann’s *Die Welt als Raum und Zeit* (1923).

7 August

Briefly looked over Einstein’s “Näherungsweise Integration der Feldgleichungen der Gravitation” (1916). (On gravity waves.)

13 August

For a while now, Fernando Bombal Gordón, “David Hilbert: la búsqueda de la certidumbre...” (Ciencia para todos: 09.05.2013). Then, DH’s *Gesammelte Abhandlungen*, 1. *Zahlentheorie* and *Grundlagen der Geometrie* (mit Paul Bernays). Also, Paul Bernays, “Hilbert, David” (*Encyclopedia of Philosophy*, p. 496 – 405) (?) (phil.cmu.edu).

17 August

As one continues to read Bogusz: Boltanski and Esquerre, “Qu’est-ce que l’actualité politique?” (Presenting their new book, 12.04.2022.)

19 August

Since yesterday, Thomas Röper’s translation of DGHTRCOM’s speech at the Moscow Security Conference on 16.08.2022. Ready for hypocrisy: (a) accusing the US of intervention in other countries’ internal affairs while he himself is embarking on the greatest interference in the US’ internal affairs; (b) how Western elites have neglected their societies’ internal problems (poverty and unemployment) but

instead blamed these problems on China and Russia – when these internal problems are indeed caused by China, although not Russia; and (c) accusing the US of desiring to return to unipolarity while Russia is pursuing a more just multipolar world – when, in reality, he himself is ready for Russia-China’s clandestine unipolar domination of the world through QGM.

21 August

Thomas Röper on the supposed assassination of Darya Dugina: “Junge russische Journalistin ermordet: Steckt die Ukraine dahinter?” (Anti-Spiegel, 21.08.2022)

24 August

Early morning, looked up Gödel’s “Unvollständigkeitssätze”.

25 August

Amy Plant interviews the Vice-President of Google Search, Pandu Nayak (14.08.2022).

26 August

The released/ redacted FBI search warrant application for Mar-a-Lago and more of KZ’s *Early Controversies*.

29 August

Thomas Röper, (1) “Von Soros und Kiew unterstützte Gruppe steht hinter dem Mord an Darja Dugina” (22.08.2022) and (2) “Der aktuelle Stand der Ermittlungen zum Mord an Darja Dugina” (29.08.2022) (with a translation of the latest “Weekend Review”). The Russian government has thus named a Ukrainian, Natalia Vovk, as the assassin. She’s a member of the Azov Battalion who drove to Moscow with her 12 year-old daughter using a Kazakh passport on 23 July. She rented a room in the same building as the Dugins to observe them. One is skeptical of the FSB’s claim, but it’s possible.

31 August

While moving, discovered this information in John Kiriakou’s *The Convenient Terrorist: Abu Zubaydah’s operations in Tajikistan in the early 1990s were funded by the CIA*. His group, the Islamic Union, was a US ally. His “House of Martyrs” might however have been confused with KSM’s “House of Martyrs”.

Read Martin, Nuñez, and Tenorio, “Sophus Lie: un matemático visionario” (*Boletín de la Asociación Matemática Venezolana*, Vol. XIV, Nos. 1 y 2 (2007) 41). Also downloaded Sophus Lie’s *Über Integralinvarianten und Differentialgleichungen* (posthumous).

9 September

In the past few days, “Putins Krieg – Geschichte als Waffe” (ZDF) (13.03.2022).

Ellie Anderson on Byung-Chu Han, *The Burnout Society (Müdigkeitsgesellschaft)* (08.09.2022): excessive of positivity; otherness replaced by difference; achievement society; compulsive freedom/ auto-exploitation; hyperattention and the loss of contemplative immersion/ fragmentation of perception; solitary tiredness vs. reconciliatory tiredness.

10 September

Again, Putins Rede vor dem Deutschen Bundestag, 25.09.2001.

Then, Harvey Mansfield on “Uncommon Knowledge” (with Peter Robinson) (15.04.2022), and “Harvey Mansfield at 90” – a conference live-streamed from the American Enterprise Institute (06.07.2022).

From the storage: Ernst Breisach’s *Historiography: Ancient, Medieval, & Modern*.

Thomas Zaugg with Byung-Chul Han, *Das Magazin*, No. 39, 27.09 – 03.10.2014. Note Han’s last comment about the Left: “Ihr Programm war nicht die Befreiung von der Arbeit, aber die Befreiung der Arbeit.” He would certainly agree with one’s critique of Betty Friedan.

13 September

This might be how the Macrosphere works. From Helmut Rumpf’s *Relativitätstheorie und Kosmologie II* (Sommersemester 2016):

Die Kernaussage der ART ist folgende: *Gravitation ist ein Aspekt der Geometrie der Raum-Zeit*. Eine konsequente Interpretation ihres Formalismus führt sogar zum Schluss, dass die Raum-Zeit das Gravitationsfeld *ist*. (Diese Aussagen gelten für die klassische Theorie; es deutet vieles darauf hin, dass die Raum-Zeit ein *emergentes* Phänomen, d.h. kein fundamentaler Bestandteil einer Quantentheorie der Gravitation ist.)

Everything that happens on earth can be regarded as a certain trajectory through spacetime, in fact merely the spacetime’s exhibiting a certain configuration. When spacetime shows a certain configuration, it’s not just gravity, but also everything else. If one can get to that something more fundamental from which spacetime is an emergent phenomenon but which is itself not spacetime (has no space and no time), then perhaps one can from that level influence what is emergent, e.g. direct spacetime to exhibit the desired configuration. In which case those on earth would just feel as if an invisible force were acting on them to direct the happenings.

20 September

Nathan Solis, “Woman gets 18 months for hoax”, *The Los Angeles Times*, 20.09.2022. (The case of Sherri Papini.)

21 September

Thomas Röper, “Putins Rede zur Verkündung der Teilmobilisierung im O-Ton” (Anti-Spiegel, 21.09.2022).

22 September

Ray Monk, “Robert Oppenheimer: A Life inside the Center” (a lecture on his book, 15.05.2013) and BBC Storyville, “The Trials of Oppenheimer”.

23 September

In downtown library. Browsed:

- (a) Kai Bird and Martin Sherwin, *American Prometheus* (2005).
- (b) Robert Graves, *Los mitos griegos* (Esther Gómez Parro (1955/ 2019)).

Checked out Yuva Noah Harari, *Homo Deus* (Spanish translation by Joandomènec Ros). Note what he says in the beginning:

“True, there are still notable failures; but when faced with such failures we no longer shrug our shoulders and say, ‘Well, that’s the way things work in our imperfect world’ or ‘God’s will be done’. Rather, when famine, plague or war break out of our control, we feel that somebody must have screwed up, we set up a commission of inquiry, and promise ourselves that next time we’ll do better. And it actually works. Such calamities indeed happen less and less often. For the first time in history, more people die today from eating too much than from eating too little; more people die from old age than from infectious diseases; and more people commit suicide than are killed by soldiers, terrorists and criminals combined. In the early twenty-first century, the average human is far more likely to die from bingeing at McDonald’s than from drought, Ebola or an al-Qaeda attack.”

Maybe such is the other factor explaining why people in the postmodern world, in America especially, have become the “Opposite People”.

24 September

Checked out Harari’s *Homo Deus*, English version, and Ray Monk’s *Robert Oppenheimer: A Life inside the Center* (2012).

27 September

AOC in GQ. She talks about her experience of being raped (age 22 – 23).

Then, Bazzell’s *Unredacted*, 004.

2 October

While continuing on with *Homo Deus*, also discovered “Yuval Noah Harari, el filósofo futurista que sin usar teléfono celular se ha convertido en el gurú involuntario de Silicon Valley” (BBC, 16.11.2018).

3 October

Downloaded, and started reading, Felix Klein's *Vorlesungen über die Entwicklung der Mathematik im 19. Jahrhundert* (Verlag von Julius Springer 1926 & Springer-Verlag 1979).

6 October

At the downtown library. Julian Barnes, Adam Goldman, Adam Entous, and Michael Schwartz, "US believes Ukrainians backed a Russian nationalist's murder", *The New York Times*, 06.10.2022. (a) US intelligence officials reveal that elements of the Ukrainian government have approved of the assassination of Dugina. (b) It's obviously a lie when US officials complain about Ukraine's lack of transparency about its war plans with Russia. (c) It's Ilya Ponomarev, a former Duma member, who claimed that the pro-Ukrainian and anti-Putin National Republican Army was responsible for Dugina's murder.

Then: James Weigel Jr., "The Odyssey", in *Masterplots*, rev. 2nd Edition, Vol. 8, p. 4594. Followed by Michael Scott Joseph's on Nikos Kazantzakis' *The Odyssey: A Modern Sequel*.

9 October

Downloaded, and browsed:

- (a) Charles Segal, *Dionysiac Poetics and Euripides' Bacchae*, Expanded Edition (1997).
- (b) Euripides, *Las Bacantes*, trad. Rosa García Roderó.
- (c) Richard Seaford, Euripides – *Bacchae* (1996).
- (d) Michael Davis, Euripides' *Bacchae*, Lecture 20 – 21 (15.12.2019).

Then, afternoon, in the downtown library: "The Bacchae" in *Masterplots*, *ibid.*, Vol. 1, p. 463 – 466.

10 October

Morning: Dan Grayson, "The mathematical work of Vladimir Voevodsky" (12.09.2018).

Skylight, and read part of the Introduction to Elisabetta Basso's *Young Foucault: The Lille Manuscripts on Psychopathology, Phenomenology, and Anthropology* (2022). (Fonds Foucault at the Bibliothèque nationale.)

13 October

Excellent documentary, "Faith of the Century: A History of Communism" (Part 1 – 3) (Dec. 2008; director: Patrick Rotman). Rotman shows communist leaders' repeated encouragement for the people to "produce more", thus demonstrating that communism is quite conscious of its ultimate goal which it shares with capitalism: to increase production.

15 October

Al Jazeera Fault Lines, "How Sheriff created the most powerful gangs in Los Angeles", 11.05.2022. On the formation of gangs within LA County Sheriff, such as the "Banditos".

Then, Vice News, “Undercover in Guyana: Exposing Chinese business in South America”, 07.07.2022.

21 October

E. A.’s “Beauvoir: ambiguity and existential ethics” (04.02.2022).

(a) She will presumably deny that “anti-white racism” is real “racism” by citing Beauvoir, that, in the beginning phase of fighting oppression, the oppressed must also do onto the oppressors what the oppressors have done onto the oppressed (denying freedom to the Other). One’s reply: are we today still in this “beginning phase”? Perhaps, after 30 years, “anti-white racism” has really become “racism”.

(b) One aspect of freedom which everyone overlooks is *not* to have one’s freely chosen actions (whatever that means) be predicted by others with mathematical precision and up to 100 percent accuracy!

23 October

(a) Daniel Garisto, “The universe is not locally real, and the Physics Nobel Prize winners proved it”, *Scientific American*, 06.10.2022. (How Aspect, Clauser, and Zeilinger conducted experiments to rule out “local hidden-variable theory” (in the explanation of quantum entanglement).)

(b) “Press release: the Noble Prize in Physics 2022” ([nobelprize.org/prizes/physics/2022/press-release](https://www.nobelprize.org/prizes/physics/2022/press-release)).

(c) “El Nobel de Física 2022 va a transformar el mundo” (Instituto de Física Teórica), 09.10.2022.

Had been thinking about this since the night of the 21st: perhaps the phenomenon of quantum entanglement reveals something about the modus operandi of the QGM and the “Macrosphere”. Namely, “nature is not locally real – particles lack properties such as *spin up* or *spin down* prior to measurement, and seemingly talk to one another no matter the distance” – because of that “something more fundamental” from which space and time are emergent. Since any particles (particle pairs) are merely spacetime themselves, their lacking real properties (real = independent of observation) is the result of the fact that the “something more fundamental” hasn’t yet broken down (nothing has yet “emerged”). In the same way, that the two photons of a pair can and do talk to each other no matter the distance is the result of the fact that, when that “something more fundamental” decays into space and time, it decays into the *entire* space-and-time *all at once*, i.e., the *entire* spacetime configuration, *the entire history of the universe*. Distance doesn’t matter because “distance” itself only comes into being during the “decaying” or “emerging” process. Therefore, when one accesses that “something more fundamental”, one might be able to influence the “decaying” or “emerging” process, i.e. *determine* whether Alice should get *spin up* and Bob *spin down* or vice versa.