

ground motion complexity and scaling in the near field of

[#ground motion complexity](#) [#seismic scaling](#) [#near field earthquake](#) [#rupture dynamics](#) [#strong ground motion](#)

This data explores the intricate ground motion complexity and its scaling behavior observed in the near field of seismic events. Understanding these phenomena is crucial for accurate seismic hazard assessment, as it directly impacts how structures experience strong ground motion close to the earthquake's rupture zone. The analysis delves into the unique characteristics and prediction challenges associated with ground shaking in immediate proximity to the fault.

These textbooks cover a wide range of subjects and are updated regularly to ensure accuracy and relevance.

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Ground Motion: Complexity and Scaling in the Near Field ...

In earthquake engineering, ground motion intensities are often reported as response spectra : the response of an idealized building (modeled as a single degree-of freedom oscillator) of given eigenperiod T and damping γ (usually 5%) to a given ground motion time series.

Ground Motion: Complexity and Scaling in the Near Field ...

This is a complex system in which various scales of physical phenomena are integrated. A unified approach incorporates multi-scale problems of dynamic rupture, radiated wave propagation, and site effects into an all-in-one model using a three-dimensional, fourth-order, staggered-grid, finite-difference method.

Complexity and Scaling in the Near Field of Earthquake Ruptures

This article discusses briefly the beginnings of strong-motion seismology and recognition of ground-motion complexity. Using two particularly well recorded ...

Scaling Ground Motions for Response-History Analysis of Tall Buildings

Aagaard B, Heaton TH (2004) Near source ground motions from simulations of sustained intersonic and supersonic fault ruptures. · Abrahamson NA, Somerville PG (1996) Effects of the hanging wall and foot-wall on ground motions recorded during the Northridge earthquake.

Characteristics of strong ground motion from the 2023 Mw 7.8 and ...

Ground Motion: Complexity and Scaling in the Near Field of Earthquake Ruptures. Mendeley · CSV · RIS · BibTeX ; Author. Mai, P. Martin ; Date. 2009 ; Type.

Ground motion - Wikipedia

by Q Wang · 2022 · Cited by 3 — However, these scaling laws make it difficult to accurately estimate the near-field ground motion parameters because the roles of control factors, such as tunnel geometry, damage zone distribution, and seismic source parameters, are not considered. For this, the finite fracturing seismic source model (FFSSM) proposed ...

Three major factors affecting strong ground motion characteristics of Ms ...

The results show that the motions have two primary components: (1) far-field waves that undergo focusing and amplification due to finite-source rupture directivity and (2) near-field waves that are sensitive to the tectonic rebound, or fling, of the closest section of the fault to the recording stations.

Ground Motion: Complexity and Scaling in the Near Field ...

by TA Aquib · 2022 · Cited by 2 — One class of records is chosen based on magnitude and epicentral distance, while another class of records is chosen arbitrarily from an earthquake catalogue, but scaled. Generally, scaling is performed so that spectral values at natural periods of structures are closer to UHS at those periods. These records were ...

Complexity and Scaling in the Near Field of Earthquake Ruptures

by D Caicedo · 2024 · Cited by 1 — Selection and scaling of ground motion records have been recognised as one of the major sources of bias and uncertainty in the seismic assessment of civil engineering structures. This review paper provides a comprehensive description from a critical point of view of the scaling and selection ...

Amplification effect of near-field ground motion around ...

(PDF) Near-Field Across-Fault Seismic Ground Motions

Analysis of Ground Motion Intensity Measures and ...

Selection and Scaling Approaches of Earthquake Time ...

[typesetting on the arts and sciences of human inequality](#)

Typesetting: On the Arts and Sciences of Human Inequality - Typesetting: On the Arts and Sciences of Human Inequality by Bill Buckman 2 views 7 years ago 33 seconds - <http://j.mp/1LiDZHQ>.

Typesetting: On the Arts and Sciences of Human Inequality - Typesetting: On the Arts and Sciences of Human Inequality by Lois Bourgeois 1 view 8 years ago 32 seconds - <http://j.mp/1TigJfL>.

Rousseau's Discourse on Inequality: Key Concepts - Rousseau's Discourse on Inequality: Key Concepts by PHILO-notes 20,601 views 1 year ago 5 minutes, 18 seconds - This video lecture discusses the key concepts of Rousseau's seminal work Discourse on **Inequality**. Transcript of this video lecture ...

Reconciling Art and Science | Madeline Weir | TEDxTufts - Reconciling Art and Science | Madeline Weir | TEDxTufts by TEDx Talks 3,444 views 3 years ago 11 minutes, 4 seconds - How would the world change if **artists and scientists**, more frequently exchanged ideas and created in collaboration? Madeline ...

The Immorality of Inequality - The Immorality of Inequality by Keele University 605 views 6 years ago 59 minutes - Presented by Kate Pickett. Reducing **inequality**, within and between countries is Goal 10 of the UN Sustainable Development ...

Introduction

The Rise of Inequality

Inequality Promotes Aspirations

Inequality and Economic Growth

The Killer Graph

Trust

Murder Rate

Mexico

South Africa

Guard labor

Poverty

Life expectancy

Health inequalities

Infant mortality

Anxiety about status

Self enhancement

narcissism

problem gambling

inequality

Louis Vuitton trash bag

Shopping bags

human nature

final thoughts

last year it was 8

the forum decided that

is political

Big Give

New Book

Art and Inequality: An Open Discussion | Tate Talks - Art and Inequality: An Open Discussion | Tate Talks by Tate Talks 3,527 views 5 years ago 1 hour, 17 minutes - Watch a public conversation exploring **artistic**, responses to **inequality**,. Struggles for **equality**, continue to engage with issues of ...

This Evening I'M Sure She'LI Be Familiar to Many of You from Her Poetry Her Journalism and to Broadcasting on Television and Radio She's Recently Directed Her First Short Fair Entitled an Impossible Poison Which Received Its London Premiere in March at the Royal Albert Hall and Is Being Screened at Festivals All around the World We'Re Thrilled that She's Here To Guide Our Discussions this Evening Thank You all for Coming I Look Forward to Hearing Your Questions and Comments as the Evening Develops and Please Join Me in Giving a Very Warm Welcome to Padishah and the Rest of Our Panel

Art Is Not Neutral It either Upholds or Disrupts the Status Quo There's a Lot of Responsibility in Difficulty in Doing Radical Work while Carrying the Flag of a Well-Known Institution Particularly if You'Re the Only One Doing So How Do We Fill in the Gaps Left by the Withdrawal of Resources by the State How Do We Share the Work That We Do How Can We Avoid the Where Are You from Questions Which Set Up Power Relations from the Start

Is It Worth Banging on a Series of Doors That Will Never Open Do We Need To Change Our Language or Even Stop Discussing and Conferencing Altogether How Can We Be Pragmatic What Do We Have and What Do We Do with It Can Art Really Be Used for the Good and for the Better Can We Use It To Politicize People or Is Art Also a Tool of Soft Power and Social Repression Is It a Make Mistake To See Art as an End Rather than a Means or a Process How Do We Engage with Institutions That Are Designed To Exclude Us Is It Okay To Work from a Position of Anger

At Home in Paris with Art Gallery Owner Fanny Saulay | Parisian Vibe - At Home in Paris with Art Gallery Owner Fanny Saulay | Parisian Vibe by ParisianVibe 1,619,285 views 2 years ago 10 minutes, 29 seconds - Would you like to make an apartment tour in Paris with us? Parisian **art**, gallery owner Fanny Saulay invited us to her beautiful ...

Let's get to know the host Fanny Saulay!

An overview of the apartment

How did Fanny approach designing her space?

How did Fanny create different atmospheres in her rooms?

What's Fanny's favorite piece of furniture?

Why did Fanny decide to start her own art gallery?

What are Fanny's favorite art works in her home?

How does Fanny start collecting art pieces for her home?

Final

Gottlob Frege - On Sense and Reference - Gottlob Frege - On Sense and Reference by Jeffrey Kaplan

280,860 views 6 months ago 34 minutes - This is a video lecture about Frege's groundbreaking 1892 paper 'On Sense and Reference', which is sometimes translated from ...

The Importance of Art Education | StarTalk - The Importance of Art Education | StarTalk by National Geographic 118,905 views 8 years ago 3 minutes, 45 seconds - About StarTalk: Host Neil deGrasse Tyson brings together celebrities, **scientists**, and comedians to explore a variety of cosmic ...

The Difference between Modern art, Postmodern art and Contemporary Art | LittleArtTalks - The Difference between Modern art, Postmodern art and Contemporary Art | LittleArtTalks by Little Art Talks 225,966 views 9 years ago 4 minutes, 16 seconds - A quick breakdown of each period of **art**, history! | CHECK OUT Strange History of Mummy Brown ...

Modernism roughly 1860s to 1970s.

Antimodernism post WWI

Postmodernism around 1960s

Buildings that blend nature and city | Jeanne Gang - Buildings that blend nature and city | Jeanne Gang by TED 281,082 views 7 years ago 11 minutes, 56 seconds - A skyscraper that channels the breeze ... a building that creates community around a hearth ... Jeanne Gang uses architecture to ...

From nature to AI: Better materials for better lives | Grace Gu | TEDxBerkeley - From nature to AI: Better materials for better lives | Grace Gu | TEDxBerkeley by TEDx Talks 30,603 views 1 year ago 11 minutes, 1 second - Grace Gu points toward nature in our effort to make better materials. Professor Grace X. Gu is committed to building a better, more ...

Intro

Natures architecture

Nature has answers

Designing materials with AI

The Eureka moment

Design materials using AI

Lifecchanging difference

Future challenges

When science meets art | Fabian Oefner | TEDxWarwick - When science meets art | Fabian Oefner | TEDxWarwick by TEDx Talks 146,889 views 10 years ago 10 minutes, 24 seconds - Fabian Oefner is a talented photographer based in Switzerland whose work marries visual aesthetics and **science**. He works from ...

Eugenics and Francis Galton: Crash Course History of Science #23 - Eugenics and Francis Galton: Crash Course History of Science #23 by CrashCourse 492,197 views 5 years ago 12 minutes, 30 seconds - After Darwin blew the doors off the scientific community, a lot of people did some weird and unscientific stuff with his ideas. Francis ...

SURVIVAL OF THE FITTEST

MADISON GRANT

CHARLES DAVENPORT

MARGARET SANGER

Art education matters, so what's the problem? | Laura Mack | TEDxSalem - Art education matters, so what's the problem? | Laura Mack | TEDxSalem by TEDx Talks 52,859 views 5 years ago 12 minutes, 44 seconds - We all know that there isn't enough **art**, being offered in schools, if any at all, but what are we going to do about it? Interpretation for ...

Intro

Creativity matters

Creativity is everywhere

Creativity is important

An art teaches it

People dont know

The Creativity Campaign

My Tools

Collaboration

Rousseau's Social Contract Theory: Key Concepts - Rousseau's Social Contract Theory: Key Concepts by PHILO-notes 26,115 views 1 year ago 5 minutes, 53 seconds - This video lecture discusses the key concepts of Rousseau's model of social contract theory. Transcript of this video lecture is ...

Cut the Arts, Cut Humanity's Growth | Natalie Cutler | TEDxWolverhampton - Cut the Arts, Cut Humanity's Growth | Natalie Cutler | TEDxWolverhampton by TEDx Talks 756 views 4 years ago 9 minutes, 55 seconds - In her thought provoking talk Natalie explores why **arts**, education is vital to the growth of **humanity**, and the detrimental impact ...

Foresight and SF: The Link Between Arts and Science | Claire Harvey Craig | TEDxKingsCollegeLondon - Foresight and SF: The Link Between Arts and Science | Claire Harvey Craig | TEDxKingsCollegeLondon by TEDx Talks 537 views 8 years ago 15 minutes - Claire Harvey Craig talks about how thinking about the future shapes the future, particularly the role that speculative fiction plays.

Tackling gender inequality in the art world | Sonnet Stanfill | TEDxCourtauldInstitute - Tackling gender inequality in the art world | Sonnet Stanfill | TEDxCourtauldInstitute by TEDx Talks 2,899 views 6 years ago 14 minutes, 8 seconds - Sonnet Stanfill is Acting Senior Curator in the Department of Furniture, Textiles and Fashion at the Victoria and Albert Museum, ...

Introduction

What is a museum curator

Women in leadership

Why more women should lead museums

Why Britain should lead the way

Consilience - A Conversation Between Art & Science - Consilience - A Conversation Between Art & Science by Kyle Sullivan 1,957 views 7 years ago 7 minutes, 30 seconds - Merrilee, an artist, and Reza, a bioinformatician, discuss the blurry boundary between **art and science**, and what that boundary ...

Two Small Test Tubes Held In Spring Clamps, taken and uploaded by Amitchell125, 2011

49th plate from Ernst Haeckel's Kunstformen der Natur of 1904, showing various sea anemones classified as Actiniae, by Ernst Haeckel, 1904, upoloaded by Ragesoss, 2006

Phaethornis Pretrei, by John Gould, 19th century, uploaded by Janbat, 2015

Medusa of Aeginura myosura, by Ernst Haeckel, 1904, uploaded by Mithril, 2011

Oldowan Chopping Tool, José-Manuel Benito Álvarez a.k.a. Locutus Borg, 1987

Acheulean Handaxe, José-Manuel Benito Álvarez a.k.a. Locutus Borg, 2002

Levallois Technique Tool, José-Manuel Benito Álvarez a.k.a. Locutus Borg, 2004

Acheulean Handaxe, Victoria County History of Kent, Vol. 1, p. 312, 1912, uploaded by Matijap, 2006

House Crow, taken by TawsifSalam, 2015, Creative Commons Attribution Sharealike 4.0 International ([image was cropped down from the original to fit a mosaic]

Humpback Whale, taken by the National Oceanic and Atmospheric Administration, 2006

Hildebrandt's Starling In Tanzania, taken by Snowmanradio, 2009, Creative Commons Generic 2.0 ([image was cropped down from the original to fit a mosaic]

Alamira Bison Cave Painting, Rameessos, 2008

Animation of Rotating DNA Structure, created by Brian0918 using RasMol 2.7.2.1.1, 2005

Blurring the Boundaries between Science and Art | Nancy Kawalek | TEDxUChicago - Blurring the Boundaries between Science and Art | Nancy Kawalek | TEDxUChicago by TEDx Talks 750 views 7 years ago 16 minutes - What do kimonos have to do with DNA replication? How does playwriting mirror the scientific process? Though **science**, and **art**, ...

Intro

Why play about science

What we learned

Accidental discoveries

Penicillin

Experiment Failure

Science and Theatre

The Stage Lab

Resources

Kimono Dressing

Stage Lab

Symmetry

Secret Communication System

What is Scientific Racism? - What is Scientific Racism? by Step Back 101,090 views 5 years ago 14 minutes, 31 seconds - Typecasting: On the Arts and Sciences of Human Inequality, Isaac, Benjamin H. (2004). The Invention of Racism in Classical ...

Scientific Racism

Social Darwinism

Gumbo Ya-ya

Graham Harman: Objects and the Arts - Graham Harman: Objects and the Arts by ICA 65,641 views 9 years ago 1 hour, 46 minutes - Contemporary American philosopher Graham Harman, the leading figure associated with the metaphysical movement ...

The Art of Human Connection | Ashlie Weisel | TEDxBreckenridge - The Art of Human Connection | Ashlie Weisel | TEDxBreckenridge by TEDx Talks 3,430 views 3 years ago 9 minutes, 43 seconds - Ashlie Weisel, also known as "The Purveyor of Positive," found her life work when she opened her funky **art**, studio on Main Street ...

How science and art reveals our humanness | Margot Wohl | TEDxSanDiegoSalon - How science and art reveals our humanness | Margot Wohl | TEDxSanDiegoSalon by TEDx Talks 774 views 5 years ago 16 minutes - Margot's exposure to **science at**, a young age - staring at the night sky and exploring a nearby pond - inspired her journey to the ...

Dean's Lecture Series: Invention and the Art of Liberal Arts - Dean's Lecture Series: Invention and the Art of Liberal Arts by St. John's College 421 views 3 years ago 2 hours, 5 minutes - Invention: The **Art**, of Liberal **Arts**, Liberal education is in deep trouble. The path to rescue lies through **artistic**, invention. What is the ...

Intro

Lecture

Panelist and Q&A period

Fall 2022 Social Sciences Forum: The Art of Language Invention David Peterson & Jessie Sams - Fall 2022 Social Sciences Forum: The Art of Language Invention David Peterson & Jessie Sams by UMBCSocSci 189 views 1 year ago 1 hour, 10 minutes - The **Art**, of Language Invention: Authentic Language Creation for Television and Film David Peterson, language creator of ...

Jesse Sams

History of Language Creation

Philosophical Language Movement

Personal Language Creation

The Seven Dwarves House

Human Communication

Creating an Authentic Human Language

International Phonetic Alphabet

Phonotactics of the Language

Consonant Chart

Phonetic Rendering

Historical Method of Conlanguing

Copy Vowel Insertion Rule

Orthography

Alphabet Is Not the Same Thing as a Writing System

Levels of Representation

Writing System

Open Type Features

Morphology

What Does the Language Require

Nouns

The Construct Form

How Do We Keep Track of Words

Auto Generate Noun Declensions and Verb Conjugations

Embeddable Audio

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The intersection of art, science, and nature | Catherine Chalmers | Storytellers Summit 2019 - The intersection of art, science, and nature | Catherine Chalmers | Storytellers Summit 2019 by National Geographic Society 366 views 4 years ago 19 minutes - Artist Catherine Chalmers uses the narrative possibilities of the visual **arts**, to bridge the rift between **humanity**, and the ecosystem.

The Food Chain Series

American Cockroach Project

American Cockroach

The Roach Life Cycle

Cockroach Birth

Ants

Colonize the Earth

The Akron Art Museum

Closing

Ivan Gaskell, "Art and Beyond: Some Contemporary Challenges for Art and Anthropology Museum" -

Ivan Gaskell, "Art and Beyond: Some Contemporary Challenges for Art and Anthropology Museum" by Getty Museum 558 views 10 years ago 1 hour, 40 minutes - June 1, 2009, The Getty Center Ivan Gaskell of the Harvard **Art**, Museum offered a Museum Matters presentation, in which he ...
 What Do Art and Activism Have in Common? | Felicia Henry | TEDxUniversityofDelaware - What Do Art and Activism Have in Common? | Felicia Henry | TEDxUniversityofDelaware by TEDx Talks 1,368 views 2 years ago 8 minutes, 55 seconds - Art,-based activism, or Artivism can be used to amplify and center the voices of those impacted by state sponsored violence and ...
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of Psychology. 47 (1): 237–271. doi:10.1146/annurev.psych.47.1.237. PMID 15012482. Ewen, Stuart; Ewen, Elizabeth (2006). Typecasting: On the Arts and... 110 KB (11,810 words) - 09:25, 4 March 2024
 of Desire: Mass Images and the Shaping of American Consciousness (1992), Picture Windows: How the Suburbs Happened (2000), Typecasting: On the Arts and... 5 KB (523 words) - 00:49, 1 June 2023
 "Typecasting: On the Arts and Sciences of Human Inequality", Seven Stories Press, New York. Feagin, Joe R. (2006). Systemic Racism: A Theory of Oppression... 181 KB (20,438 words) - 10:34, 6 March 2024
 Society" Informative, sometimes humorous website expanding on issues raised in Ewen and Ewen's Typecasting, On the Arts and Sciences of Human Inequality.... 7 KB (705 words) - 14:49, 25 June 2023
 (2007). Typecasting: On the Arts and Sciences of Human Inequality. New York: Seven Stories Press. ISBN 978-1-58322-776-3. Gould, Stephen Jay (1981). The Mismeasure... 135 KB (16,717 words) - 15:43, 10 March 2024
 (2006). Typecasting: On the Arts and Sciences of Human Inequality. New York: Seven Stories Press. ISBN 9781583227350. Gould, Stephen Jay (1981). The Mismeasure... 103 KB (10,906 words) - 11:03, 7 March 2024
 Ewen, Elizabeth (2006), "Nordic Nightmares", Typecasting: On the Arts and Sciences of Human Inequality, Seven Stories Press, pp. 257–325, ISBN 978-1-58322-735-0... 73 KB (8,815 words) - 01:29, 2 March 2024
 Ewen, Elizabeth; Ewen, Stuart (2008). Typecasting: On the Arts and Sciences of Human Inequality: A History of Dominant Ideas. New York London: Seven... 85 KB (9,781 words) - 09:31, 2 March 2024
 The Philosophical Foundations of Modern Medicine, London/New York, Palgrave/Macmillan. Ewen, Stuart (2009). Typecasting: On the arts and sciences of human... 21 KB (2,545 words) - 16:40, 7 November 2023
 JSTOR 201974. Ewen, Stuart; Ewen, Elizabeth (2011). Typecasting: On the Arts and Sciences of Human Inequality. Seven Stories Press. p. 346. ISBN 9781583229491... 40 KB (4,231 words) - 20:40, 29 February 2024
 obscures the typecasting of female characters and the general depiction of conventional gender roles. According to scholars Elizabeth Heilman and Trevor... 167 KB (16,576 words) - 10:22, 6 March 2024
 2013, at the Wayback Machine. Gregory Peck papers, Margaret Herrick Library, Academy of Motion Picture Arts and Sciences Gregory Peck interview on BBC Radio... 193 KB (21,200 words) - 03:41, 7 March 2024
 after playing the middle-aged part of Bachchan's wife and Akshay Kumar's mother in Waqt (2005), because filmmakers sought to typecast her in similar... 158 KB (12,228 words) - 21:59, 12 March 2024
 spotlight". Toronto Star, May 18, 2012. "Audrey Tang's Blog: Runtime Typecasting". December 2005. Retrieved August 4, 2007. "Taiwan's new digital minister... 195 KB (10,160 words) - 14:04, 2 March 2024
 unemployment, corruption, social inequality and the brutal excesses of The Emergency. This led to Bachchan being dubbed as the "angry young man", a journalistic... 169 KB (13,682 words) - 09:25, 6 March 2024
 police receptionist in NYPD Blue "Rory Cowan: AIDS, inequality and why he doesn't keep in touch with the Mrs Brown's Boys cast". Independent.ie. September... 254 KB (10,509 words) - 22:24, 6 March 2024