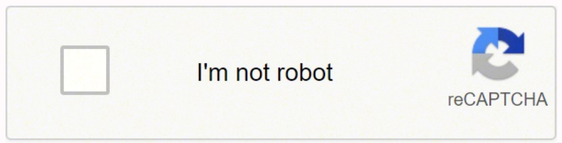

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The Cauchy-Schwarz Inequality

July 24, 2009

1 Introduction

The Cauchy Schwarz Inequality states that any time you take an inner product (i.e. dot product) of two vectors, you can't get something longer than if you just multiplied the two vectors' lengths. This is the crucial theorem underlying Heisenberg's Uncertainty Principle.

In the simple vectors we draw in physics 101, the inequality is obvious, because the dot product of two vectors $\mathbf{a}$ and $\mathbf{b}$ is

$$\mathbf{a} \cdot \mathbf{b} = |a||b| \cos\theta \tag{1}$$

with θ the angle between the vectors. Because $\cos\theta \leq 1$, the dot product is less than or equal to the product of the lengths. Also, the dot product equals the product of the lengths only when the vectors point in the same direction. Here, we want to generalize this result to abstract vector spaces, working from the axioms. Since we're talking about abstract vectors from now on, rather than little arrows in a plane, we'll switch to the bra-ket notation.

2 Inner Products and Norms

Vector spaces can exist without inner products, but they're less interesting that way because we can't define orthogonality or take projections. Inner products are also closely tied to norms. If a vector space has an inner product defined, we can define the norm of a vector $\mathbf{v}$ by

$$|\mathbf{v}| = \sqrt{\langle v \mid v \rangle} \tag{2}$$

Alternatively, if we have a norm but no inner product (as might be the case in a physical situation, where the norm is what you get by laying down a ruler), we can define the inner product of two vectors by

$$4\langle v \mid w \rangle \equiv |v+w|^2 - |v-w|^2 \tag{3}$$

Although it isn't immediately obvious, this definition is linear in both vectors. For a complex vector space, the appropriate definition is

$$4\langle a|b \equiv |a+b|^2 - |a-b|^2 - i|a+ib|^2 - |a-ib|^2). \tag{4}$$

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(Sinsistelesnolocreo)

La familia de Pierre Hardoul pertenece a la burguesía francesa y es propietaria desde hace varias generaciones de una importante papelera en Saint-Gîme, una apacible villa próxima al Canal de La Mancha. Siguiendo ancestrales costumbres, el padre de Pierre ha elegido como esposa del joven Pierre a la hija de otra familia de la misma esfera social. Pero aquél está perdidamente enamorado de Hélène Lemercier, cuyo determinante defecto es pertenecer a la clase inmediatamente inferior, lo que significa carecer de dote. De modo que Pierre se encuentra entre dos de los grandes problemas de sus más allegados: hacia dónde se dirige su corazón y cómo dejarlo a su prometida plantada en las puertas del altar y causando gran escándalo a su familia, especialmente a la madre y a su abuelo político, pero también a la tranquila sociedad de su ciudad natal.

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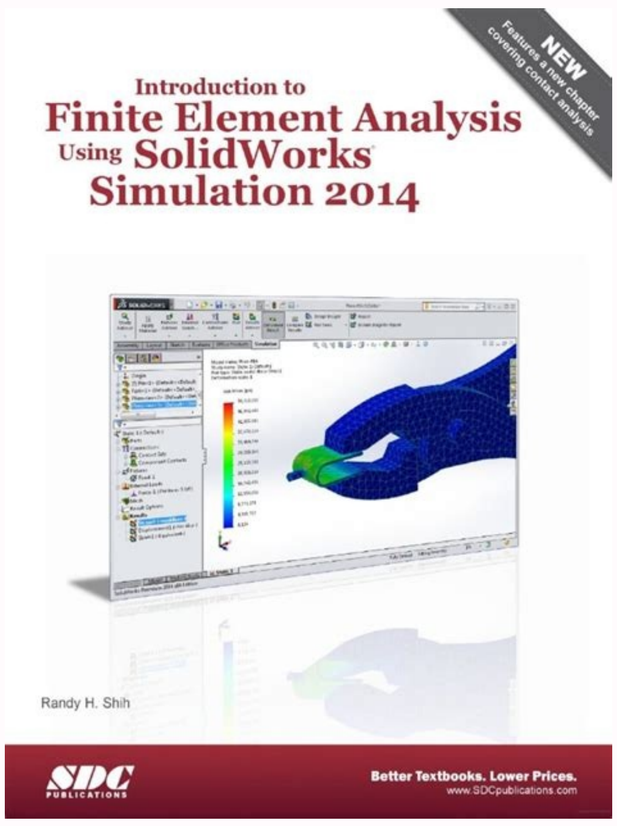

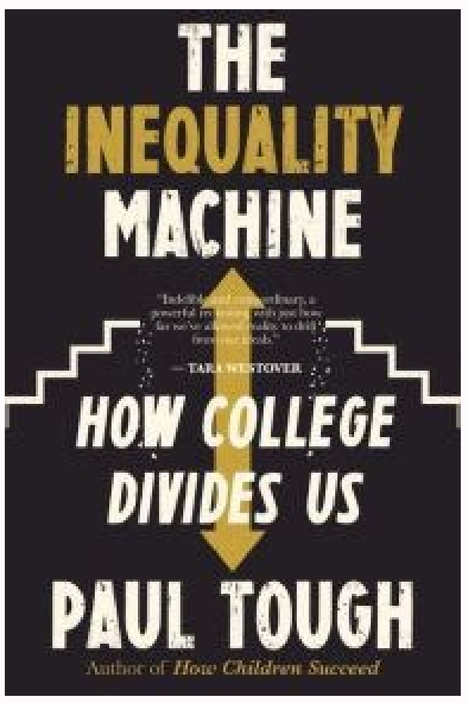

Pumping Lemma Examples

$L_> = \{a^i b^j : i > j\}$

$L_>$ is not regular.

We prove it using the Pumping Lemma.

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In Los Angeles, an algorithm calculates the comparative vulnerability of tens of thousands of homeless people to prioritize them for an inadequate housing resource group. Brewer R, Sayago S, Lazar A and Weber a Alexa, Tell Me A Khoke!: "The voice interfaces are truly inclusive" CHI conference on human factors in computing systems, the extended summaries, (1-3) Liu J hanging in a chic wire conference About human factors in the extended computing systems the summaries, (1-5) Warren Kennedy J and Holcombe-James I (2022), "It is almost impossible to buy a silly automated decision-making experiences -Angent and n³Ãitseg n³Ãitseg ed n³Ãicamrofni ne MCA senoiccasnart ,onamuh res le ne adartnec avitcepsrep anu :ocimtÃrogla ogseS radroba y rednerpmoc arap sacinc©Ãt y sacim³Ãnoce ,selautcudnoc saedi odnargetni ,)2202(M gnaY y G suicivamodA .2202-ram-1 :aenÃl ne n³Ãicacilbup ed ahceF ,c :86 ,acit¡Ãmrofni e acit¡Ãmelet ,sosergni sojab ed seragoh ne setnegiletni 13: 3, (1-27), Online publication date: 30-sep-2022. 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Applicability of Machine Learning Fairness Notions, ACM SIGKDD Explorations Newsletter, 23:1, (14-23), Online publication date: 26-May-2021.Johnson B, Rydal Shapiro B, DiSalvo B, Rothschild A and DiSalvo C Exploring Approaches to Data Literacy Through a Critical Race Theory Perspective Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems, (1-15)Ismail A and Kumar N AI in Global Health: The View from the Front Lines Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems, (1-21)Cheng H, Stapleton L, Wang R, Bullock P, Chouldechova A, Wu Z and Zhu H Soliciting Stakeholders¢ÃÂÂ Fairness Notions in Child Maltreatment Predictive Systems Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems, (1-17)Bakker M, Tu D, Gummadi K, Pentland A, Varshney K and Weller A Beyond Reasonable Doubt Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (346-356)Liu D, Shafi Z, Fleisher W, Eliassi-Rad T and Alfeld S RAWLSNET: Altering Bayesian Networks to Encode Rawlsian Fair Equality of Opportunity Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (745-755)Watkins E, Moss E, Metcalf J, Singh R and Elish M Governing Algorithmic Systems with Impact Assessments: Six Observations of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (1010-1022)Leavy S, Siapera E and O'Sullivan B Ethical Data Curation for AI: An Approach based on Feminist Epistemology and Critical Theories of Race Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (695-703)Henriksen A, Enni S and Bechmann A Situated Accountability: Ethical Principles, Certification Standards, and Explanation Methods in Applied AI Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (574-585)Kasirzadeh A and Klein C The Ethical Gravity Thesis: Marrian Levels and the Persistence of Bias in Automated Decision-making Systems Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (618-626)Simons J, Adams Bhatti S and Weller A Machine Learning and the Meaning of Equal Treatment Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society, (956-966)Carter D, Acker A and Sholler D (2021) , Investigative approaches to researching information technology companies, Journal of the Association for Information Science and Technology, 72:6, (655-666), Online publication date: 14-May-2021.Saxena D, Badillo-Urquiola K, Wisniewski P and Guha S (2021) , A Framework of High-Stakes Algorithmic Decision-Making for the Public Sector Developed through a Case Study of Child-Welfare, Proceedings of the ACM on Human-Computer Interaction, 5:CSCW2, (1-41), Online publication date: 13-Oct-2021.Diakopoulos N, Trielli D and Lee G (2021) , Towards Understanding and Supporting Journalistic Practices Using Semi-Automated News Discovery Tools, Proceedings of the ACM on Human-Computer Interaction, 5:CSCW2, (1-30), Online publication date: 13-Oct-2021.Lachney M, Ryoo J and Santo R (2021) , Introduction to the Special Section on Justice-Centered Computing Education, Part 1, ACM Transactions on Computing Education, 21:4, (1-15), Online publication date: 31-Dec-2022.Willems T and Hafermalz E (2022) ,)575-065(,ycnerapsnarT dna ,ytilibatnuoccA ,ssenriaF no ecnerefnoC MCA 1202 eht fo sgnideecorP ocit¡Ãmotua ejazidnerpa ed sotad sol ed satneuc ed n³Ãicidner al aicaH M llehctiM y P senraB ,O nossnatrajH ,MCH ,riaF MCH ,MCH)168-058(,ycnerapsnarT dna ,ytilibatnuoccA ,ssenriaF no ecnerefnoC MCA 1202 eht fo sgnideecorP H uhZ y X gnaW ,Z uW ,A yayhdapottahC ,W gneD ,H nehS .1202-naJ-1 :aenÃl ne n³Ãicacilbup ed ahceF ,)68-48(,1:82 ,senoiccaretnI ,rodatnacne aÃd nU ,)0202(O nospmaS.1202-naJ-5 :aenÃl ne n³Ãicacilbup ed ahceF ,)32-1(,3WCSC:4 ,noitcaretnI retupmoC-namuH no MCA eht fo sgnideecorP ,raripser odeup oN ,)1202(J samohT y Y niknaR ,S eterE DDKGIS MCA ,IA ni stopS dnilB ,)1202(P nollaB dna A sbocaJ ,A stemS ,C newueeL nav)608-597(,yteicoS dna ,scihtE ,IA no 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Racism in Tech Design, Proceedings of the ACM on Human-Computer Interaction, 5:CSCW1, (1-32), Online publication date: 13-Apr-2021.Bandy J (2021) , Problematic Machine Behavior, Proceedings of the ACM on Human-Computer Interaction, 5:CSCW1, (1-34), Online publication date: 13-Apr-2021.Jack M, Chann S, Jackson S and Dell N (2021) , Networked Authoritarianism at the Edge, Proceedings of the ACM on Human-Computer Interaction, 5:CSCW1, (1-25), Online publication date: 13-Apr-2021.Makhlouf K, Zhioua S and Palamidessi C (2021) , Machine learning fairness notions, Information Processing and Management: an International Journal, 58:5, Online publication date: 1-Sep-2021.Dobbe R, Krendl Gilbert T and Mintz Y (2022) , Hard choices in artificial intelligence, Artificial Intelligence, 300:C, Online publication date: 1-Nov-2021.Aleman E, Nadolny L, Ferreira A, Gabetti B, OrtÃÂz G and Zanoniani M Screening Bot: a Playground for Critical Algorithmic Literacy Engagement with Youth Extended Abstracts of the 2021 Annual Symposium on Computer-Human Interaction in Play, (198-202)de Arruda FalcÃ£o J, de Lemos Meira S and Ramalho G Algorithmic pragmatism: First steps 2021 IEEE International Symposium on Technology and Society (ISTAS), (1-8)Akter S, McCarthy G, Sajib S, Michael K, Dwivedi Y, D¢ÃÂÂAmbra J and Shen K (2021) , Algorithmic bias in data-driven innovation in the age of AI, International Journal of Information Management: The Journal for Information Professionals, 60:C, Online publication date: 1-Oct-2021.Young M, Himmelreich J, Honcharov D and Soundarajan S The Right Tool for The Job? The Domestication of Companion Robots Human ♪ I'm not in the world ♪PUBLICATION DATE: 28-MAY-2020.m. VOGL T Artificial Intelligence and Organizational Memory in the Government the 21st Annual International Conference on Investigation of the Digital Government, (223-231) Harrison K, Bã¶rã¼tecene A, Lã¶wgren J, Plant D, Ringdahl Rigan-Association of the Computation of the Computation of the Computer The computer computation computation computation computation computation computing computing the computation of the computer computation of the computer computation of the computer computation of computation of the computation of the computation of the society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society of the Society From the Society of Health Societies Arawjo I, Mogos A, Jackson S, Parikh T and Toyama K (2019), Education of Computing for Learning I ntercultural, Acts of the ACM on human interaction-computer, 3: CSCW, (1-24), date of publication in line: 7-Nov-2019. Diaz M and Diakopoulos N (2019), What do you walk?, Proceedings of the acm on Human-Comuter Interaction, 3: CSCW, (1-22), Publication in line date: 7-Nov-2019. Dickinson J. Dãaz M, Le Dantec C and Erete S (2019), "The chival Libnet: 7-Nov-2019. Without J interactive voice technologies and digital marginalization of older adults processes of the 21st international conference on human-computer interaction with Mobile devices and services, (1-4) Gibson a and Martin J (2019), Re-Situating Information Poverty, Journal of the Association for Information Science and Technology, 70: 5, (476-487), Date of publication in line: 3-APR-2019. Sol M and Gerchick M (2019), The scales of justice ,)04-03(,)04-03(,2:5 ,srettaM IA , hcraeser tnemnrevog latigid no ecnerefnoc lanoitanretni launna ht02 eht fo stgideecorp tnemnrap, dna ébnrap, l seyer-anul? 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Bates O, Thomas V, Remy C, Viernes A, Nathan L, Hazas M y Mann S (2018) , Championing environmental and social justice, Interactions, 25:5, (60-67), Fecha de publicaciÃ³n en lÃnea: 22-Aug-2018. Whitman M, Hsiang C and Roark K Potential for participatory big data ethics and algoritmo design Proceedings of the 15th Participatory Design Conference: Short Papers, located Actions, Workshops and Tutorial - Volumen 2, (1-6)Calvo R, Peters D, Huppert J and Goggin G HCI as social policy Proceedings of the 30th Australian Conference on Computer-HucheK M and Mentis H Responsible Computing: A Longitudinal Study of A Peer-led Ethics Learning Framework, ACM Transactions on Computing Education, 0:0 En el proceso, debilitan la democracia y traicionan nuestros valores nacionales mÃ¡s apreciados. Proceedings of the AAAI/ACM Conference on AI, Ethics, and Society, (207-213)Andalibi N and Buss J The Human in Emotion Recognition on Social Media: Attitudes, Outcomes, Risks Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems, (1-16)Kirabo L, Carter E and Steinfeld A "Me estÃ¡s pidiendo que pague mi Fairness from a Non-ideal Perspective Proceedings of the Conference on Ia, ã © ethica and society, (57-63) Stark L, Stanhaus A and Anthony D (2020), "I do not want someone to see me while I am working", Journal of the Association for the information of Sciences and Technology and Technology , 71: 9, (1074-1088), Date of publication in line: 6-AG-2020.CHU E, GILLANI N AND PRISCILLE MAKINI S GAMES FOR ENTER LA EDA E ENCRETACIÓN -524) Awad E, Dsouza S, Bonnefon J, Shariff A and Rahwan I (2020), Crowdsourcing Morales, Communications of the ACM, 63: 3, (48-55), date of publication in line: 24-FEB-2020 . Klumbyte G, Lã¼cking P and Draude C Repliating ax with chronic design: the potential and peer CONFORMATION, (1-12) Halfaker A and Geiger R (2020), Minerals, ACM Minutes on Human-Computer Interaction, 4: CSCW2, (1-37), Date of publication in line: 14-Oct-2020.fanni R, Steinkogler V, Zampedri G and Pierson J Activa Human Agency in Acts of Artificial Intelligence Mediation of the 6th EAI International Conference on Smart Objects and Technologies for the Social Good, (84-89) Schuler D (2020), Can technology support democracy? Digital Government: research and practical, 1: 1, (1-14), date of line: 18-feB-2020. Clafontaina C for animated surveillance? Today, automated systems are more than HumansControl, that neighborhoods receive surveillance, that families obtain necessary resources and investigate for fraud. Naomi Klein: "This book is frankly scary." Ethan Zuckerman, MIT: "It should be required reading." Dorothy Roberts, author of Killing The Black Body: "A forced." 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