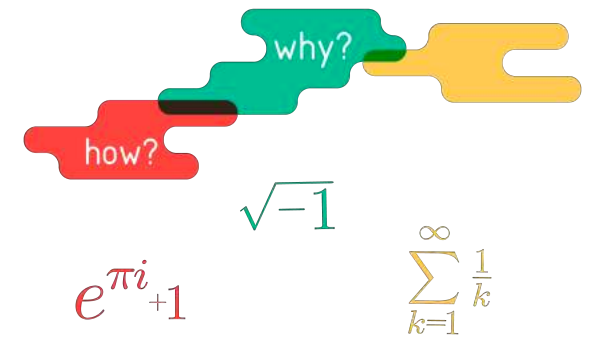




# One on Epsilon

Nurturing Mathematical Curiosity





# Epsilon Stream

Watch, Play and Explore Mathematics

Home Share Search About Register

epsilon stream home

**Curious Epsilon**  
One on Epsilon's blog post series

**Recent Editors' Picks**  
Watch this month's picks

**Editors' Picks Archive**  
All our monthly editors' picks

**One on Epsilon News**  
Updates about products and events

**What are adjacent angles?**

Adjacent **angles** share a common **vertex** and **ray**. In other words, adjacent angles are side to side.

Angles  $DXE$  and  $EXF$  are adjacent angles.

Mario's Math Tutoring · 2 min

Share

Curious Epsilon

## Patterns in polygonal numbers

June 22, 2018 Phillip Isaac



Do you have a favourite pattern? In fact, what is the first thing that comes to mind when you think of patterns? I love gardening, and for me, one of the most fascinating things about nature is to see the patterns in how they grow. For example, is the leaf arrangement opposite or alternate? Is the leaf form compound or simple? What colour are the flowers? Identifying such patterns allows us to *classify* the type of plant, which leads to a better understanding of what grows in our garden. So, what does this have to do with mathematics?

Share Search About Register

Short System

- One (1000)<sup>0</sup>
- Thousand (1000)<sup>1</sup>
- Million (1000)<sup>2</sup>
- Billion (1000)<sup>3</sup>
- Trillion (1000)<sup>4</sup>
- Quadrillion (1000)<sup>5</sup>
- Quintillion (1000)<sup>6</sup>
- Sextillion (1000)<sup>7</sup>
- Septillion (1000)<sup>8</sup>

Long System

- One (1000000)<sup>0</sup>
- Millia (1000000)<sup>1</sup>
- Billion (1000000)<sup>2</sup>

Youtube Channels

- The Bearded Math Man Channel
- Think Twice Channel
- Tipping Point Math Channel
- Vihart Channel
- Vsauce Channel
- Welch Labs Channel
- Woo Tube Channel

Search Results for 'dec':

- Decay Factor
- Decay Rate
- Decimal
- Decimal Arithmetic
- Decimal Fraction
- Decimal Places
- Decimals to Fractions
- Deductive Reasoning
- Degree
- Degree Fahrenheit
- Denominator
- Density
- Depth
- Derivative
- Determinant

Editors' Picks

- April 2018 Editors' Picks
- March 2018 Editors' Picks
- Feb 2018 Editors' Picks
- Jan 2018 Editors' Picks
- Dec 2017 Editors' Picks
- November 2017 Editors' Picks



# Our Team



**AAPELI VUORINEN**

Full Stack Developer



**CLARA VALTORTA**

Content Editor



**COCO BU**

Content Editor



**DUDI NASSI**

Creative UI/UX



**HANAN GELBENDORF**

Creative UI/UX



**IGOR KULAGIN**

iOS Developer



**DR. INNA LUKYANENKO**

Content Editor



**MIRIAM REDDING**

Community Relations



**DR. NICHOLAS BARTLETT**

Data Scientist



**DR. PHILLIP ISAAC**

Content Lead



**DR. YONI NAZARATHY**

Director



**YOUSUF MARVI**

Content Contributor



# ***Nurturing Mathematical Curiosity***

**Our Vision:** A world where mathematical curiosity is cultivated through exploration.

**Our Mission:** Delivering engaging curated mathematics through innovative software and content.

## **Our Values:**

- Everyone is capable.
- Anyone can build a mathematical mindset.
- Learn the “how” while understanding the “why”.
- Joyful mathematics.
- Global mathematics.
- A team of diverse educators creates outstanding products.



# Major Partnerships and Affiliations



*Uplifting Mathematics for All*



Connecting and Collaborating to Accelerate  
Australia's EdTech Ecosystem Globally





# Community Events

## University of Queensland lecturer inspires tiny mathematicians

Lorraine Sathicq

SHARE TWEET



ney maths students. Photo:

**ועידת המדע והטכנולוגיה**

**אנני טימסון והמחשבים**

**מפגש מתמטי עם ד"ר יוני נזרתי** - מרצה בכיר במתמטיקה וסטטיסטיקה מאוניברסיטת קווינסלנד, אוסטרליה שיערך ביום רביעי, י"ד תמוז תשע"ח (27.6.18) בשעה 12:30, במכללת "שאנן", חדר המתמטיקה בבניין המרכזי קומת כניסה - להרשמה

**בכנייה:**  
12:30-12:45 **ההכנות ופתיחה** - פרופ' דוד בן-יחיים

**12:45-13:00 היכרות עם ד"ר יוני נזרתי**, מרצה בכיר במתמטיקה וסטטיסטיקה מאוניברסיטת קווינסלנד, אוסטרליה. יוני, בעל דוקטורט במתמטיקה מאוניברסיטת חיפה, עוסק בחקר והוראה אוד מתקני חברת סטרימינג בתחום היכון המתמטי - **One on Epsilon**. ההצגות תכנים מתמטיים בתחום ה-12 K ומפעילה את האפליקציה **Epsilon Stream** - תוכנה המציעה תכנים מתמטיים.

**13:00-14:30 שיש מתמטי - מהו האינר המושלם בין עיני ואוזר**  
בשפת נסתכל על הצגה של מספר נושאים מתמטיים ונדון באפשרויות הצגתם בצורה צבעונית ומדויקת. כרונולוגי, נדון בכוכבות הבלוז האבות (הקליקו על התמונות לכניסה לכתובת) ברוך בשאלות הבאות:

- \* לוי חזק מוסר חורים, מתמטיים, חובבים?
- \* איך אפשר לשפר את הצגת החזקו וילדו פעילות אפשר לשלב בו?

לאחר מכן נדון כיצד נבחר לייצר כתובת דמות (א משפחות) עבור הגושמים הבאים:

- \* קוסינוס, סינוס ותוצני היחידה.
- \* התקדמים הבכונים (משולש פסקל) ושמושיהם.

**דברי סיום**

12:00 **בטלחה!**  
החוג לחינוך מתמטי - שאנן

**A Formula for the Personality of a Number**  
March 24, 2017 Yoni Nazarathy



## Mathematical Markov Chains, Jazz Music, and Curious Circles in North Carolina.

A Mathematical Jazz Morning  
by Nadav Nazarathy and Yoni Nazarathy

[Natural Math](#) -- [One on Epsilon](#) -- [Nadav Nazarathy Piano](#)

Tuesday, July 18, 9:30am – 11:30am

You don't need to be a *musician* to enjoy jazz and you don't need to be a *mathematician* to explore Markov chains. Join brothers Nadav and Yoni for an exploratory musical math morning in Chapel Hill, NC.

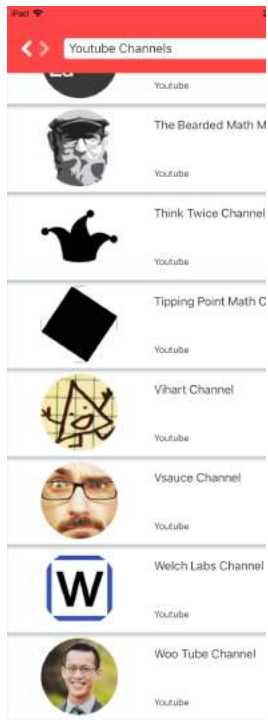
The basic idea of a Markov chain is the concept of *state*.





# Youtube Mathematics Experts

- Following over 60 channels closely
- Monthly Editors' Picks
- Daily featured video Tweets @OneOnEpsilon



## April 2018 Editors' Picks

April 12, 2018 One on Epsilon Team



Here we present some of the best mathematics videos that our content team has curated this month. Our free [Epsilon Stream App](#) presents you with the best selection of curated mathematics videos, blog posts and games. You can search the App for almost



# Curious Epsilon

## Blog Posts

### Nurturing Mathematical Curiosity



#### A Formula for the Personality of a Number

March 25, 2017 Yoni Nazarathy



#### Thinking outside the coordinate plane

March 2, 2018 Clara Valtorta and Phillip Isaac



What factors make up a person's personality? There are many but I don't think that the answer is simpler to understand than human nature.

What do kale, coral, and potato chips (crisps) have in common? It turns out that the surfaces of these objects have an unusual type of geometry. Recently Clara and Phil were talking about such objects, in particular their surfaces. It reminded Clara of her days as a student. Quickly the conversation turned to math.

#### Get Irrational, Impress Your Kids

February 25, 2017 Yoni Nazarathy



Yoni is currently very curious about big numbers. He is currently very curious about big numbers in a day, 86,400, the number of minutes in a day, 86,400, the number of minutes in the Milky Way, estimated at around 300 billion years. Yoni's curiosity.

On the other hand, have grown out of being in elementary school. They already comprehend that there is not a number.

#### Do you pay 99 cents or 1 dollar?

June 2, 2017 Coco Bu



#### Choosing a Fair Estimate

May 27, 2017 Younuf Marvi



Imagine you went out to dinner with a group of nine friends. You enjoyed the dinner and you want to split the bill. The bill is \$90.99. You want to pay a fair amount. You want to pay a fair amount.

with prices such as \$1.99 or \$36.99 as a result of making us feel that we are paying a fair amount.

the title of water that was priced \$0.99 at the time.





## The Business, where to...



**2018:**

- **Reach and sustain 3,000 Unique Daily Engagers**
- **Continue to understand tutoring market**
- **Improve Data Science / Machine Learning company insights**

**2019:**

- **Develop **Epsilon Coach**, Personalised Learning Augmentation System**
- **Seek significant investment**
- **Maintain an build Epsilon Stream / Curious Epsilon / Community activities**

**2020:**

- **Begin generating revenue**