it is being **rolled out** in data center networks as a means to provide bandwidth guarantees to cloud applications

**For all intents and purposes**（从每一层意义上说，即实际上） WeChat is your phone

there was one data point that **jumped off the page**（惹眼） regarding（关于） iPhone sales

This history **revolves around** four distinct aspects

This is intended to be a brief, **necessarily cursory** and incomplete history

We have not discussed how to design a survivable network

**from scratch**

routing systems more manageable, less complex and

be **accommodative** of new service needs

we will use the same tool to check the **conformance** of papers

something we all **take for granted** and use everyday

which **hamper** innovation and addition of new features and services

**proliferate** in current networks

the number of middleboxes is already **on par with** the number of routers

in current networks

a control program can automatically react to **spurious** changes of the network state

The distribution abstraction should shield SDN applications

from the **vagaries** of distributed state

To identify the different elements of an SDN as **unequivocally**

as possible

a crucial

approach for ensuring configuration and communication

compatibility and **interoperability** among different data

and control plane devices

only

a subset of those matching fields are **mandatory** to be

compliant to a given protocol version

**In tandem,** operation in

reactive mode may still be used when traffic bursts are

detected

The **forfeiture** of data and revenue due to the loss of even a single

fiber is **staggering**

**quench** the ever-increasing thirst for bandwidth

 pay **homage** to the dead man

What is the **canonical** response function for the family?

that is **cosmetically** similar to the density of a Gaussian distribution,

but outputting a **sporadic** looking decision boundary.

the *k*-**harmonic** means algorithm due to Zhang and colleagues

We describe each algorithm in a **unified** framework

Each center defines a cluster with a central point and perhaps a **covariance** matrix

have **engendered** a lot of success in OR practice

A modified implementation of the **stingy** heuristic

infeasible regions by **oscillating** around feasibility

Has the **advent** of metaheuristics advanced the state-of-the-art significantly

Using **nomenclature** from tabu search

seminars and **colloquia**

in reverse **chronological** order

based on the group-theoretic treatment of **elliptic** curves

we cannot **stretch**, **tear**, or **squeeze** the square in any way

The **salient** point here is that two different compositions of symmetries

but it’s not clear which (if any) stickers are **superfluous**

clear up some silly **ambiguities** in the definition

operation with **juxtaposition**

In the formal **parlance**

at least in some **coarse** way

**For a slightly more detailed exercise**

the **avid** reader of this blog may recognize the notation

This is a **gem** of **elegance** that shows the power of viewing mathematics

Let’s **dissect** this definition a little.

We call this map the **canonical** projection of G

Then we try to **refute** this belief by finding additional structure

has claimed an **astounding** theorem

which is why everyone is **atwitter**

then the question about GI is **moot**

To the **layperson**, the polynomial hierarchy is **abstruse** complexity theoretic technical hoo-hah

So people are excited because it’s **tantalizing**

Without loss of generality suppose

 feel free to point out any **egregious** holes in my understanding

one’s first **foray** into advanced mathematics

which is good enough for most **engineering situations**

As a rule of **thumb**

**Provably** good on-line, distributed schedulers exist

we shall **subscript** by P.

We can **gauge** the theoretical efficiency of a multithreaded algorithm by using two metrics

the multithreaded computation’s instructions were **interleaved** to produce a linear order

avoid the **anomaly** that would occur if x and y were summed before x was computed

we can **glean** some important insights about deadlock

so let us **dissect** it carefully

China called the ruling "ill-founded" and says **it will not be bound by it**.

y is the **ephemeral** port that uniquely identifies the client process

we will treat TCP/IP as a single **monolithic** protocol

Mr Jiang is seen **reprimanding** eight bank employees on stage

publicly **spanked** for poor performance during a training session, **sparking** **outrage**

so let us **dissect** it carefully

**Reap** multiple zombie children

**precludes** slow clients from **monopolizing** the server

**soaking up** spare CPU cycles as they become available

deferring **coalescing** to a concurrent “coalescing” flow that runs at a lower priority

Synchronizing Threads with **Semaphores**

 it will neither take part in the **tribunal** nor accept the authority of its ruling

Battle of **propaganda**

let a few facts get in the way of the official **narrative**

any longer **ironclad** proof of anything

run stochastic gradient ascent on a randomly **shuffled** copy of the training set.)

we first **digress** briefly

Despite the **bleak** picture that this paints for ICA on Gaussian data

the density is **rotationally** symmetric.

Note that the **contours** of the density of the standard normal distribution

If the canary has been **trampled**

Variety formed a gross **preponderance** of buffer overflow attacks

**introspects** the CPU stack to detect buffer overflows

Purify also was **laborious** to construct

Since slowdown is **proportionate** to pointer usage

Thus some tools and techniques have evolved to help **novice** developers write programs

To err is human, but to really **foul up** requires a computer

Some **nuances** on this Method

The overall goal of a buffer overflow attack is to **subvert** the function of a privileged program

three were essentially social engineering attacks that **snooped** user **credentials**

the code must handle arbitrarily invalid or **malevolent** values gracefully

Working with a multi-**variate** Gaussian distribution can be **tricky** and **daunting** at times

is one of the most “**versatile**”distributions in probability theory

one of the most important rule is the ***linearity*** *of expectations*

Sometimes we will also speak about ***cumulative*** *distribution function*

there is a choice in the order we **unravel** the random variables when applying the Chain Rule

**From here onwards**, we will talk mostly about probability with respect to random variables.

**In a sense**, random variables allow us to **abstract** away from the formal notion of event Space

let it handle many programs that are completely **intractable** **otherwise**

it is rather **cumbersome** to represent this as a matrix

but there a few **caveats** to keep in mind

Despite the fact that all the actual calculus we use is relatively **trivial**

The **underlying** objective and algorithm **seamlessly** generalize the classic k-means approach

an input graph is **coarsened** by merging nodes level by level

commending his post-presidential **philanthropy**

genuine **empathy** for human beings

Using a linear algebraic **formulation**

The traditional graph partitioning problem seeks k **pairwise** disjoint clusters

**Progenitor** to “Ant Colony System,” later discussed

Reinforcement Learning **reminiscence**

Ants work **concurrently** and independently

**Versatility**

ants search at the **vicinity** of the best tour so far

(this is the **intercept term**),

while gradient descent can be **susceptible** to local minima in general

J is a convex **quadratic** function.

The ellipses shown above are the **contours** of a quadratic function.

coloured hair is inspired by the **anime** characters

the parameters θ will keep **oscillating** around the minimum of J(θ);

To enable us to do this without having to write **reams** of algebra

Equations (4) can be **derived** using the **adjoint** representation of the inverse of a matrix.

Probabilistic **interpretation**

if there are some features very **pertinent** to predicting housing price,

**stringent** building codes mean that they rarely cause significant damage.

 Japan's **seismology** office said

It is through bitter experience that Japan has learnt the strategies to **mitigate** damage

Initialize cluster **centroids**

Images **courtesy** Michael Jordan

Thus, J must **monotonically** decrease

The **distortion** function J is a non-convex function

We now **digress** to talk briefly about an algorithm that’s of some historical interest

this “**perceptron**” was argued to be a rough model for how individual neurons in the brain work.

A “push-right” method for mining **condensed** frequent pattern

correspondent John Sudworth is **reprimanded**

faithfully fulfil its obligation for non-**proliferation** and strive for global **denuclearisation**

its sovereignty is **encroached** upon by any aggressive hostile forces with **nukes**

**Familiarity** with the basic probability theory

Regrades are intended to **remedy** grading errors

**in light of** the deduction you received

a natural **desideratum** is to try to \_nd a decision boundary

we still don't have any **of-the-shelf** software

we can solve the dual problem in **lieu** of the primal problem.

(A function f can also be convex without being **differentiable**, but we

won't need those more general definitions of **convexity** here.)

KKT dual **complementarity** condition will also give us our convergence test

**mitigate** the overhead of additional route discoveries

**on-demand** routing protocols

The non-negative **orthant**

where we used the triangle inequality and the positive **homogeneity** of norms.

Affine subspaces and **polyhedra**.

the meaning must be determined **contextually**

rather than **componentwise** inequality.

Again **analogous** to both the definition and first order conditions for convexity

We won’t worry about such **technicalities** here

the boring math and **formalisms** behind convex optimization

which augment the standard **conjugate** gradient (CG) algorithm for solving linear least squares systems with a line-search

**albeit** rarely considered together in a unified manner as we do

infeasible points are “**carved away**”

To **ameliorate** this

convex optimization have been **well-tuned** to handle different specific types of optimization problems

provide a rapid way to **prototype** your idea

unless the equations are somehow **degenerate**

**dissect** matrix multiplication to such a large degree

Notice that if a data point is **equidistant** from every cluster

**Differentiate** each data point’s contribution to the objective function

mployers to get more **leeway** to negotiate holidays and special leave

Instantiated

underscores

arbitrary

syntax

precedence

Parenthese

conceptually

successive

logistics

It turns out that tardigrades have a host of **tricks up their sleeves**

with **ferocious** claws resembling those of great bears

This paper **unravels** the SCA problem structure using a matrix-based model

even if the input data is chosen by an **adversary**

We can **turn** this idea **around** and ask questions

Such famous problems as the **tautology** problem

Problems akin to subgraph isomorphism have also arisen in research

Problems **akin** to subgraph isomorphism have also arisen in research on the recognition of distorted shapes

Computer scientists are **abuzz** over a fast new algorithm

with the **proviso** that an isomorphism is not required to preserve the labels,