**NEWS BRIEFS**

**Campus-wide power outage**

On Friday, March 14, a campus-wide power outage impacted all MIT buildings powered by the MIT cogeneration plant. MIT Facilities reported that a manhole explosion outside of Green Hall on the corner of Amherst Avenue and Danforth Street was the cause of the campus-wide power outage.

MITAlert issued a warning to the community at 1 p.m. on Friday asking people to avoid the area around Green Hall. At 2 p.m., MITAlert issued an update stating that power was in the process of being restored. MITAlert issued a final update at 2:45 p.m. on Friday stating that the power outage had been resolved, and that Facilities would continue working to ensure full power restoration.

**Manhole cover blows off, power outage follows**

Around 12:30 p.m. on Friday, a problem with the MIT cogeneration plant caused a campus-wide partial power outage. Shortly before the outage, a manhole flew out of its housing in front of sorority Kappa Alpha Theta. Since the power plant uses the steam system for its active cooling, the two incidents are likely related.

**1,419 students, or 7.7 percent, admitted into the Class of 2018**

Target class size is approximately 1,050 new freshmen

By Victoria Messuri

MIT released its undergraduate admissions decisions for the Class of 2018 on Friday, March 14 at 6:28 p.m., with a target class size of 7.7 percent smaller than the past. That year, MIT admitted only 1,419 students this year, less than 1,050 students.

MIT News Office press release, the target class size for the incoming class is about 1,050 students.

According to the Dean for Undergraduate Admissions, 18,357 students applied, setting a record-low admission rate of 7.7 percent. According to a MIT News Office press release, the target class size for the incoming class is about 1,050 students.

According to the Dean for Undergraduate Admissions, 18,357 students applied. 612 students applied via early action. 807 students applied via regular decision.

**Class Year**

**Acceptance Rate**

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<tr>
<th>Class Year</th>
<th>2012</th>
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<td>Acceptance Rate</td>
<td>11.7%</td>
<td>12.7%</td>
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<td>8.9%</td>
<td>8.2%</td>
<td>7.7%</td>
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Simmons Hall was the only residence hall that did not lose power completely; the power only went out for a few seconds. Inter- campus network problems at Mass Hall as recent as yesterday can be attributed to the outage, given that network equipment was damaged as is in the process of being restored.

**Trend of increasing tuition continues**

Undergraduate tuition will increase by 3.5 percent for the 2014-2015 academic year. This increase follows a 3.45 percent increase from the 2013-2014 academic year.

**IN SHORT**

**Registration for the Spring Break dining plan is due today. Students who wish to participate in the plan should sign up online.**

The Spring Break meal plan begins March 23 and ends March 28.

Freshman award nominations are open. Students and members of the MIT faculty or staff may nominate any freshman for an award, which aims to recognize the distinguished achievements of freshmen in the Class of 2017.

**News briefs, Page 11**

**Guth, Page 9**

**Prof. Alan Guth's theory supported**

Scientific breakthrough reported

By Dennis Overby

CAMBRIDGE, Mass. — One might talk to 978, an intrepid young physicist named Alan Guth, with a new son and a year's appointment at Stanford, stayed up late with his notebook and equations, venturing far beyond the world of known physics.

He was trying to understand why there was no trace of some exotic particles that should have been created in the Big Bang. Instead he discovered what might have made the universe bang to begin with. A potential hitch in the presumed course of cosmic evolution could have infused space itself with a special energy that exerted a repulsive force, causing the universe to swell faster than the speed of light — and perversely violent instead.

If true, the rapid expansion would solve paradoxes like why the heavens look uniform from pole to pole and not like a jagged, warped mess. The enormous ballooning would iron out all the wrinkles and irregularities. Those particles were not missing, but would be diluted beyond detection, like spit in the ocean.

"SPECTACULAR REALIZATION," Guth wrote across the top of the page and drew a double box around it.

On Monday, Guth's starship came in. Radio astronomers reported that they had seen the beginning of the Big Bang, and that his hypothesis, known undramatically as inflation, looked right.

Reaching back across 13.8 billion years to the first sliver of cosmic time with telescopes at the South Pole, a team of astronomers led by John M. Kosow of the Harvard-Smithsonian Center for Astrophysics detected ripples in the fabric of space-time — so-called gravita- tional waves — the signature of a universe being violently

Undergraduate Association elections will continue until 5 p.m. Friday, March 21. Vote online at vote.mit.edu.

Housing intention forms are due March 31. All students currently living on campus who are eligible to do so next semester must complete the form to indi- cate whether they intend to stay in campus housing Fall 2014.

Send news information and tips to news@tech.mit.edu.
**Man named by Newsweek issues denial on Bitcoin claim**

Dorian Satoshi Nakamoto, the man identified by Newsweek magazine as the founder of Bitcoin, has hired a lawyer and issued a written statement Monday denying any involvement with the digital currency.

“I did not create, invent or otherwise work on Bitcoin,” Nakamoto said in a statement released through his lawyer, Ethan D. Kirschner. “I have not been involved in Bitcoin from any perspective. No further comment will be made by Mr. Nakamoto or the firm.”

Newsweek, which has vigorously defended its reporting, responded in a brief statement saying it had “not received any statement or letter from either Nakamoto or his legal counsel. If and when we do, we will respond appropriately.”

Nakamoto, 64, of Temple City, Calif., said he heard the term Bitcoin from his son only in February after the Newsweek report-

**For families waiting for answers on missing flight, only more questions**

BEIJING — The families gathered in the ballroom at the Lido Hotel wanted answers. Ten days before, a jet carrying their loved ones had disappeared, and for 10 days the airline executives who appeared before them had different, sometimes contradictory, stories.

“What you say today is different from what you said yester-

day,” said one woman whose husband had waited along with hundreds of other relatives, desperate for any morsel of news. “How can you still not know after so many days?”

An emotional break point came when the pilot of AirAsia Flight 370, which vanished on its way to Beijing on March 8, became the first to be removed by his employer. The AirAsia 777 jet has been stuck in a netherworld between anger and grief, clinging to the remotest hope that their relatives might still be alive as the authorities have ended their desperate search.

For families waiting for answers on the fate of Malaysia Airlines Flight 370, the search for its passengers appears to have become an absentees list, a nagging uncertainty.

**Are Massive Online Open Courses right for you?**

By John F. Vasile

**Gender inequality in Morocco continues despite changes in laws**

By Aida Alami

When Zineb lost her father at the age of 15, her grief was compounded by course offerings from top-tier schools like Harvard, MIT, Stanford and Yale, yet to enliven the population of traditional online learners, which was about 23 mil-

lieved to be almost anywhere in a broad arc stretching from the Himalayas to Antarctica. The plane flew onward for much longer — up to eight hours, in fact. And it happened to the plane.

The plane went down in the Gulf of Thailand. No, it might have ended up much farther west, in the Strait of Malacca; the military somehow missed seeing it on their radar. No, actually it flew for much longer — up to eight hours, in fact. And one or more of the 239 people on the plane was in control of the jet until the flight’s signal disappeared. It could almost be anywhere in a broad arc stretching from the Himalayas to Antarctica.

Rumors swirled that the plane appeared to have been inten-

dionally diverted was welcomed as a positive development. A glimpse of spring last weekend, cold weather returned to New England. Expect slightly below-average temperatures through the high 40s Wednesday through Friday, then rain and snow again over the weekend.

**Weather**

**Extended Forecast**

Today: Sunny with a high of 36°F (2°C). Calm winds.

Tonight: Clear with a low of 23°F (-5°C).

Wednesday: Mostly cloudy with a high near 44°F (7°C). Low around 36°F (2°C). Breezy with east winds around 20 mph.

Thursday: Rain in the morning then mostly clear. High around 54°F (12°C). Low around 32°F (0°C).

Friday: Mostly sunny with a high around 46°F (8°C). Low around 31°F (0°C).
China releases plan to integrate farmers in cities

By Ian Johnson

BEIJING — China has announced a sweeping plan to move millions of farmers into cities, to promote urbanization but also to solve some of the drastic side effects of this great social transformation.

The plan — the country’s first-ever attempt at broadly coordinating one of the greatest migrations in history — foresees 100 million more people living in cities by 2020, while providing better services to the farmers and landless laborers for 100 million former farmer families already living in cities but who are not享受ers of the government’s social services.

By pursuing these projects, the government spent planning to build roads, railways, hospitals, schools and housing.

Formally announced Sunday, the plan has been one of the most commented-on policy documents in recent years. Originally scheduled to be announced last year, it backs away from more radical proposals, such as the government initiative grew out of and was practiced in America. In fact, it is a global trend. As early as 1945, the government said that the United States had recognized the improvement of quality of life in China. But the plan is still ambitious, and the government’s powerful planning commission foresees 100 million people to be living in cities by 2025. The current plan aims for 60 percent by 2020. It also emphasizes what has been a relatively new phenomenon over the past three years: the state’s role in deciding who can move from rural land and what they should have.

The need for urbanization, the plan says, is part of a broader move to shift China’s structure away from more radical propositions, such as the government initiative grew out of and was practiced in America. In fact, it is a global trend. As early as 1945, the government said that the United States had recognized the improvement of quality of life in China. But the plan is still ambitious, and the government’s powerful planning commission foresees 100 million people to be living in cities by 2025. The current plan aims for 60 percent by 2020. It also emphasizes what has been a relatively new phenomenon over the past three years: the state’s role in deciding who can move from rural land and what they should have.

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Specificity, realistic goals lacking from all tickets

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On Tuesday, March 18, 2014

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Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

### Techdoku I
Solution, page 11

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Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

### Sudoku II
Solution, page 11

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Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

### Techdoku II
Solution, page 11

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Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.
**FASHION REVIEW**

**Architecture for the body**

Designer connects buildings to feminine fashion

The Istanbul-native designer Gulsha Chereli designs elegant and unique clothes for women.

By Rachel Katz

Designer Gulsha Chereli always thinks of texture first when she begins her design process, and that mindset was apparent in the collection she showcased at the Liberty Hotel last Thursday night. Even in the first round of designs shown, which favored a neutral color scheme, the texture and layer play was prominent: leather was paired with satin-like fabric in a wraparound trench coat, the slim silhouette of a miniskirt was countered with draped fabric over the front of the piece, fabric traditionally used in business-like blazers was molded into a Moto jacket, and black lace was integrated into every design. The line had a high fashion feel, but with a practicality that would make it easily wearable.

Chereli modeled her collections on classic silhouettes this season, saying, “I want this collection to be sexy, feminine, but still classic and elegant at the same time. And of course with an edge!” It certainly was, only one design in the collection featured pants rather than a skirt or dress, and the dresses all accentuated the waist for a sleek, sexy look. Drawing inspiration from architecture, Chereli added an edge to classic silhouettes, stating, “I love how each city has a unique mood and voice; I enjoy using that feeling in my collections.” The moods in her pieces seemed to be expressed with dramatic silts, layered ruching, and an emphasis on one-shoulder, geometric necklines.

Fashion and design run in Gulsha Chereli’s blood; her mother works as a miniature artist, and her father has a clothing line for children. “I think I got both their skills and combined them in my brand,” she tells The Tech. She begins each collection with a seed of inspiration, and from there searches for pictures, colors, textures, anything that reminds me of that inspiration. I draw my designs and start patterns and samples — if something needs to be changed or modified, Chereli would seem difficult to blend with jazz. But the rewarding result lends yet another lens to the Fugues’ variable style. My personal favorite is the final track, opening with a piano riff, which, once established is fluidly granted by Nas assertions that if you need proof of his credentials, “Go ask my pre-school, even talk to my old principal. ‘He’d tell you how I used to pack a No. 2 pencil.’ Followed in form by trackmates Pun, Jadakiss, Raekwon, and Fat Joe, the group represents for their city’s place in history.

From the opening sample citing hip-hop’s reinvigoration of jazz to the fading keys of the closing track, Autumn in New York is deeply rooted in hip-hop’s culture, pulling from a storied cast of emcees and tracks with classic status. Phoniks’ idols Pete Rock, Lord Finesse, Diamond D, and others serve as teachers to this producer’s style, and their influence is clearly seen in his high quality work.

**MUSIC REVIEW**

**Word is born**

**Autumn in New York pays tribute to hip-hop’s classic acts**

By Nate Garcia

*The What.* It’s not a question. March 9 marked the 17th anniversary of the death of Christopher Wallace, pioneer of the Brooklyn Way, known to the world as the Notorious BIG. Biggie Smalls, or affectionately as just BIG. A titan in hip-hop, BIG elevated listeners through his music and continues to inspire artists today. Maine-based producer Phoniks pays homage to BIG and other classic acts in his latest project. Autumn in New York. The project features a collection of jazz-remixed hip-hop tracks immediately recognizable to fans of the city’s illustrious history, including BIG’s classic “The What,” featuring Method Man from his debut Ready to Die. Jazz’s influence in hip-hop is widespread, heard in the use of samples for instrumental coloring rhythm, and in scat singing’s influence on rhyme delivery and flow. Much of the underlying structure of hip-hop is derived from jazz, and their shared foundation allows for smooth collaboration between the two genres. Their fusion has resulted in beautiful projects, such as Guru’s Jazzmatazz and Funky DL’s Jazzmatic, a collection of jazz-remixed Nas classics.

The legacy of hip-hop welcomes Phoniks’ Autumn in New York among its numbers.

The legacy of jazz hip-hop welcomes Phoniks’ Autumn in New York among its numbers. The soulful sounds of horns and brass along with playful and lighthearted piano are prevalent throughout. Drums supply the support — snares are shared by both genres, and deeper bass drums set the tempo for emcees to reinvent and push the boundaries of the underlying structure of hip-hop. Phoniks’ idols Pete Rock, Lord Finesse, Diamond D, and others serve as teachers to this producer’s style, and their influence is clearly seen in his high quality work.

“Autumn in New York” pays tribute to hip-hop’s classic acts. Phoniks pays homage to BIG and other classic acts in his latest project. Autumn in New York. The project features a collection of jazz-remixed hip-hop tracks immediately recognizable to fans of the city’s illustrious history, including BIG’s classic “The What,” featuring Method Man from his debut Ready to Die. Jazz’s influence in hip-hop is widespread, heard in the use of samples for instrumental coloring rhythm, and in scat singing’s influence on rhyme delivery and flow. Much of the underlying structure of hip-hop is derived from jazz, and their shared foundation allows for smooth collaboration between the two genres. Their fusion has resulted in beautiful projects, such as Guru’s Jazzmatazz and Funky DL’s Jazzmatic, a collection of jazz-remixed Nas classics.

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“For the old schoolers that come from the days of DJ Premier — March 9th (BIG tribute) De La Soul — Dilla Plugged In Showbiz (of D.I.T.C.) — Bare Bones: Stack 3. Editorial Note: “Word is Born” is a new column about hip-hop, its influences, and its history. Nate also hosts “Word is Born” on Saturday nights from 10 p.m. to midnight at WMRR 88.1 First on Your FM Dial.”
RESTAURANT REVIEW

A culinary rhapsody in blue
Inspired new American cuisine

By Juan Alvarez and Katie Villa

For our latest night out on the town, we ventured into the financial district and visited Blue Inc., a place for wild culinary adventures helmed by Chef Jason Santos of FOX’s “Hell’s Kitchen." It was a little hard to get there — it was a 10 minute walk from the Downtown Crossing T station — but the food and the handcrafted cocktails were definitely worth the trip. Blue Inc. serves mostly new American-style cuisine, although many of the dishes are inspired by Asian spices and flavors. With six in our group, we were able to share and sample a variety of dishes.

We began with a selection of appetizers, each more delicious than the last. The calamari “spa-ghetti” ($10) consisted of thinly sliced calamari rings, appropriate-ly fresh and melt-in-your-mouth tender. This was served with a de-lectable pastrami Bolognese and a piece of garlic bread, toasted to crispy perfection but still soft in the middle. Next was the crispy pork belly ($12), a generous slab of succulent pork served with balled apples and a sweet sauce that nicely complemented the savory pork.

But the real highlight of the appetizers was the buffalo duck drumettes ($12), a twist on traditional chicken wings. Covered in a tangy spicy-sweet barbecue sauce and served with chipotle mayo on the side, the duck legs were simply finger-licking tasty.

For entrees, duck was the star of the show again. The honey and hoisin-glazed duck confit ($26), was an Asian-inspired delight for the taste buds. Served on a bed of sweet sticky rice with mango and cashews, the duck had a mild savory-sweet flavor that we greatly enjoyed. The crunchy Ahi tuna ($26) was also a nice choice, accompanied with steamed rice, sesame avocado, and yuzu green beans in a sweet and creamy sake-apple puree. With the exception of the beans, the flavors in this dish were perhaps too mild, and may have benefited from added spices or some traditional wasabi. We also had a bite of the southern-style boneless fried chicken ($26), which was just otherworldly. Served on a pepper jack waffle with bacon, poached pear, and smoked maple caramel, we plotted a return just for this dish.

Dessert, always a favorite, did not disappoint at Blue Inc. Amid a variety of nontraditional liquid nitrogen milkshake flavors, such as pumpkin pie, caramel corn, and thai green tea, we tried the s'mores milkshake and felt like very happy campers. Clearly our chef used top-quality chocolate in the shake, topping it off with graham cracker crumbs (this must have been what that $5 shake in Pulp Fiction tasted like). Ideal for a special occasion, Blue Inc. is definitely near the top of our list of happening spots with quality and boldly imaginative cuisine and is a unique restaurant experience not to be missed.

Blue Inc.
131 Broad St., Boston
Monday – Friday: 11:30 a.m. – 2:00 p.m.
Saturday: 5 p.m. – 2 a.m.
Sunday: Closed

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Somewhere on the Search for Meaning... by Letitia Li

The poor grad student is not a well-liked TA. His friends try to help him figure out why...

You come to MIT because you wanted challenges, right?

...so you could explore the greatest puzzles in the world of science?

Yeah, that's true...

So you'd want a TA who sends you a search for the answer...

...who stimulates your interest in the subject by giving you applications for the knowledge you gained in lecture...

...one who doesn't just tell you the solution?

I think so!

Subject: Office Hours
To: class-mailing-list
From: Your Brilliant TA

If you would like help with the questions, come find me tomorrow between:

- The 2nd digit of the 5th most commonly used capacitor size > PM and
- The solution to problem 5 > PM, somewhere in building:

Number of letters in the 2nd word the professor said during Tuesday's lecture.

Hope to see you there!

Saturday Stumper by Frank Lugo
Solution, page 10

ACROSS
1 “The blood is the life!” penner 62 Spell something, with “up”
11 Hamburger course 63 “Rising star” of NCAA Division I
15 Tops 71 Chatter
16 Realty datum 72 Got moving, so to speak
17 Part of some vinegar recipes 76 What an asterisk often means
18 Red alert 78 What a lazy lyricist might use
19 Metaphorical pretense 79 Possible results of going long
20 New England college town 80 What a lazy lyricist might use
21 Necessitates striking, say 81 Subject of the books Power Failure
22 Subject of the books Power Failure 82 Producing some shells
and Pipe Dreams 83 National Gallery endower
24 Without incurring damages? 84 GPS reading
26 What an asterisk often means 85 It could hold your notice
28 Drop of medicine 86 It could hold your notice
30 Possible results of going long 87 Scheherazade soloist
31 Species subgroups 88 Tesla, for one
33 Producer of some shells 89 Main __
34 What an asterisk often means 90 Think none too highly of
35 Last chance to make the cut 91 What goes on before the finish
37 Marching band accessory 92 Music inspired by Sgt. Pepper
38 It could hold your notice 93 “They” alternative
40 Entangles 94 Rhapsody.com purchase of 2011
41 What a lazy lyricist might use 95 “Inconceivable!”
42 Reason for a review 96 “Greatest singer in the world, ”
43 Old Testament priest per Presley
44 Common way to buy glasses 27 Impeccability indicator
46 Got moving, so to speak 28 Reason for a review
48 Avoid crossing 32 Old Testament priest
50 Fabricated 33 Tesla, for one
51 Station on the Paris-Cherbourg 35 Party hang-ups
line 36 In __ Speramus (Brown motto)
53 One’s due, on the street 37 Shortens, in a way
54 Carter Brand 38 Hammer-handle source
55 Cartoonist who popularized 39 Ones alleviating that sinking
“double whammy” feeling
57 Brownie brand 40 Queen of comedy
58 An alien might miss it 41 Avoid crossing
60 Crayola color similar to Asparagus 42 Avoid crossing
61 By hook or by crook 43 Twist, in the end
62 Spell something, with “up” 45 Of fashionable society

DOWN
1 Least likely to shrink 47 Small racer
2 Got sweeter, perhaps 49 Put on the sheets?
3 Seeks 50 Podigious folk-music archivist
4 National Gallery endower 54 Clinton Transportation and Energy
6 GPS reading 55 Gould/Sutherland’s M*A*S*H
14 Rhapsody.com purchase of 2011 59 Wax buildup?
27 Impeccability indicator 59 Wax buildup?
29 Drop of medicine 59 Wax buildup?
30 Possible results of going long 59 Wax buildup?
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62 Spell something, with “up” 59 Wax buildup?
Admissions, from Page 1

The number of undergraduate students was expected to increase over three years, starting with the Class of 2015 and ending with the Class of 2018, due to the additional housing capacity afforded by the reopening of Maseeh Hall in the fall of 2013.

According to enrollment statistics from the Office of the Registrar, first-year student enrollment increased for the Classes of 2015 and 2016, but the current freshman class actually experienced a slight decrease in first-year student enrollment. The number of first-year students to be enrolled for the 2013-2014 academic year is expected to fall even lower than this year’s.

The loss of accommodation provided by Bexley Hall, which housed 116 undergraduate students, is significant and long-term. Bexley was closed on June 8, 2013, after the building was deemed unsafe for residents due to structural problems. Plans for Bexley’s demolition, or what will be built in its place, have not yet been determined.

“Housing capacity is an important consideration in determining our target class size,” Dean of Admissions Stuart Schmill ’86 told The Tech.

He continued, “Our target this year is about 70 fewer students than last year.” There were 1,188 first-year students enrolled in the fall of 2013.

According to Schmill, the decreased target class size was not the only reason that MIT admitted fewer students to the Class of 2018. “We admitted fewer students also because our yield has been going up. If a higher percentage of admitted students choose to enroll, we have to admit fewer students so we do not over-enroll,” Schmill said.

Currently, it is unclear what the target class size will be in the coming years.

Adjustments in admissions data

This year, MIT made adjustments to how it counts the number of applicants. In the past, all applicants who paid an application fee or received a fee waiver were counted in the final applicant data. This year’s total number of applicants includes only students who both paid the application fee (or received a fee waiver) and completed the entire student section of the application.

According to the MIT News Office, the total number of applicants this year represents a 2.5 percent increase from last year’s when counted with the previous methodology — the most in MIT’s history. However, with the switch to the new counting method, the total number of applicants reported by MIT this year is slightly lower than that reported last year.

Evidence for theory in cosmology found

Inflation theory tied to Big Bang

Guth, from Page 1

In our own universe, it would serve as a window into the forces operating at energies forever beyond the reach of particle accelerators. In Earth and yield new insights into gravity itself. Kovac’s ripples would be the first direct observation of gravitational waves, which, according to Albert Einstein’s theory of general relativity, should ruffle space-time.

According to inflation theory, the waves are the hypothetical quantum particles, known as gravitons, that carry gravity, magnified by the expansion of the universe to extragalactic size.

“You can see how the sky is being distorted by gravitational waves,” said Andrei Linde, a prominent inflation theorist at Stanford. “We are using our universe as a big microscope. The sky is a photographic plate.”

Marc Kamionkowski of Johns Hopkins University, an early-universe expert who was not part of the team, said, “This is huge, as big as it gets.”

“Although I might not fully understand it,” Kamionkowski said, “this is a signal from the very earliest universe, sending a telegram encoded in gravitational waves.”

The ripples manifested themselves as faint spiral patterns in a bath of microwave radiation that permeates space and preserves a picture of the universe when it was 380,000 years old and as hot as the surface of the Sun.

Kovac and his collaborators, working in an experiment known as BICEP, for Background Imaging of Cosmic Extragalactic Polarization, reported their results in a scientific briefing at the Center for Astrophysics here on Monday and in a set of papers submitted to The Astrophysical Journal.

Kovac said the chance that the results were a fluke was one in 3.5 million — a gold standard of discovery called five-sigma.

Guth pronounced himself “bowed over,” saying he had not expected such a definite confirmation in his lifetime.

“With nature, you have to be lucky,” he said. “Apparently we have been lucky.”

The results are the closely guarded distillation of three years’ worth of observations and analysis. Eschewing email for fear of a leak, Kovac personally delivered drafts of his work to a select few, meeting with Guth, who is now a professor at MIT (as is his son, Larry, who was sleeping that night in 1979), in his office last week.
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The Tech

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Send your campus events to events@tech.mit.edu.

Events mar. 18 – mar. 24

TUESDAY

(4 p.m. – 5 p.m.) The Build-up of Galaxies over the Past 10 Billion Years talk by Pieter van Dokkum — 37-252

(6:30 p.m. – 9:00 p.m.) Space Exploration in Italy and the U.S.: Human Experiences and Innovative Challenges — 66-110

WEDNESDAY

(10:30 p.m. – 11:30 p.m.) Artists Beyond the Desk Presents Howard Martin saxophone performance — Killian Hall

(4 p.m. – 6 p.m.) Free Healthy Smoothie Day — Z-Center lobby

THURSDAY

(12 p.m. – 1 p.m.) Brown Bag Lunch: Capturing Contributor Roles in Scholarly Publications — E25-131

(6 p.m. – 8 p.m.) Designing the Next Generation of Wearable Devices — Microsoft NERD Center 1 Memorial Dr.

FRIDAY

(5:30 p.m. – 6:15 p.m.) Discussion Series: Human Rights — 50-020

(7 p.m. – 9 p.m.) Women Take the Real presents Salma — 6-120

SATURDAY

(1:30 p.m. – 4 p.m.) LibriPlanet 2014 conference — 32-1st floor

(7:30 p.m.) Nowruz Celebration, Persian festival — Walker Memorial

SUNDAY

(2:30 p.m. – 5:00 p.m.) MIT Ballroom Dance Workshops: Salsa and Merengue — W20-La Sala

Solution to Sudoku II

9 1 4 8 3 5 2 7
8 5 6 7 2 1 4 3 9
2 7 3 4 5 9 1 8 6
1 2 7 9 6 3 4 5 8
6 8 9 4 3 2 7 1 5
5 4 3 2 7 8 9 6 1
7 6 5 8 3 9 1 2 4
3 8 2 6 9 1 5 7 4
5 7 9 2 8 4 3 6 1

Solution to Techdoku II

1 6 5 2 3 4
2 1 6 3 4 5
3 2 1 4 5 6
4 3 2 5 6 1
5 4 3 1 2 3
6 5 4 1 2 3

Solution to Sudoku I

1 7 6 5 4 8 9 3 2
3 5 4 2 7 9 1 6 8
2 9 3 1 6 7 4 5
2 1 3 9 8 7 6 5 4
7 4 5 1 6 2 3 8 9
6 9 8 4 3 5 2 7 1
9 3 1 7 5 4 8 2 6
4 6 7 8 2 1 5 9 3
8 2 6 9 3 4 1 7

Solution to Techdoku I

1 2 3 6 4 5
5 6 1 4 2 3
6 1 2 5 3 4
2 3 4 1 5 6
3 4 5 2 6 1
4 5 6 3 1 2

MIT will continue its policy that students with family incomes below $75,000 per year will have their tuition expenses covered by scholarship funding. About 32 percent of the 4,477 undergraduates at MIT attend tuition-free. Total estimated expenses per student, consisting of tuition, fees, housing, and dining, will be about $58,240 in the coming academic year, compared to the estimated $56,242 from the 2013-2014 academic year.

—Alessandra Delmore

Tuition increases annually; the lowest increase in recent years was 3.24 percent in the 2012-2013 academic year, while the largest increase was 4.9 percent in 2005-2006.

Tuition and fees will total $45,046, as opposed to $43,498 for the 2013-2014 academic year. Meanwhile, MIT has lowered its need-based undergraduate financial aid budget, which is set at $95 million this year, compared to last year’s $97.5 million.

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—Alexandra Delmore

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13th ANNUAL STUDENT ORIGAMIT COMPETITION

OPEN TO FOLDERS OF ALL LEVELS

1. CREATE:
- Fold anything!

2. SUBMIT:
on March 21, 2014
to room W20-443

3. WIN PRIZES!

Questions or Comments?
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Solution to Sudoku II

9 1 4 8 3 5 2 7
8 5 6 7 2 1 4 3 9
2 7 3 4 5 9 1 8 6
1 2 7 9 6 3 4 5 8
6 8 9 4 3 2 7 1 5
5 4 3 2 7 8 9 6 1
7 6 5 8 3 9 1 2 4
3 8 2 6 9 1 5 7 4
5 7 9 2 8 4 3 6 1

Solution to Sudoku I

1 7 6 5 4 8 9 3 2
3 5 4 2 7 9 1 6 8
2 9 3 1 6 7 4 5
2 1 3 9 8 7 6 5 4
7 4 5 1 6 2 3 8 9
6 9 8 4 3 5 2 7 1
9 3 1 7 5 4 8 2 6
4 6 7 8 2 1 5 9 3
8 2 6 9 3 4 1 7

Solution to Techdoku II

1 6 5 2 3 4
2 1 6 3 4 5
3 2 1 4 5 6
4 3 2 5 6 1
5 4 3 1 2 3
6 5 4 1 2 3

Solution to Techdoku I

1 2 3 6 4 5
5 6 1 4 2 3
6 1 2 5 3 4
2 3 4 1 5 6
3 4 5 2 6 1
4 5 6 3 1 2

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Fans await rise of next prodigy in men’s tennis

Grigor Dimitrov and Ernesto Gulbis show promise as men’s tennis’s newest prodigies

By Deepak Narayanan

For the first time in a while, men’s tennis is confronted with potential flux. With Federer now in his 30s and the likes of Nadal, Djokovic, and Murray in their mid-to-late twenties, the time seems ripe for the next tennis prodigy to burst onto the world stage.

Of all the young players on the cusp right now, I think Dimitrov is the most likely to make the jump to the next level. He is currently the youngest man in the top 20, and the results this year have been pretty impressive. Added to that, he has a very capable coach in Roger Rasheed, who along with Alexander Bublikov, is a former Olympic singles champion and world number one. Dimitrov is the most likely to burst onto the world stage.

Djokovic and Murray are among the players who have been pretty consistent. For the first time in a while, I think Grigor Dimitrov will be the next big thing.

Djokovic is not the only man to have come up through the junior ranks. Canadian Milos Raonic, one of the best service games in the history of the game, he has the potential to be the next big thing.

There are other potential players capable of taking the next step big include the Australian, Stanislas Wawrinka, who promised so much early in his career but never quite got over the hump. Raonic and Wawrinka are two of the best young players in the world right now.

Djokovic, Nadal, and Murray are all past their mid-twenties but still carrying a lot of momentum.

Greatness is often determined by the intangibles.

Two years later, the Bulgarian hasn’t really lived up to expectations. His results throughout 2012 and 2013 were inconsistent, with prolonged periods of sluggishness punctuated by the occasional moment of dominance; before 2014, Dimitrov had made it past the second round of a Grand Slam only once. But in this year’s Australian Open, he finally displayed the real talent so far, taking on Canadian Milos Raonic in a grueling four-setter that went to five, before defeating the Australian in the semifinals. Dimitrov showed off his skills and his competitive edge in the final against Russian world number one, Novak Djokovic, where he proved that he could go the distance against the best of the best. Dimitrov has been in impressive form as well. The Latvian has won in Montpellier, to add to his semifinals performance at the Roland Garros, and has made it to the finals in the tournament in Rotterdam.

To win matches against the best, one must have the potential to be at his best for four long sets, and Dimitrov certainly has the talent and ability to do so.

Another contender for future World No. 1, Jerzy Janowicz, has disappointed since his break-through performance at Wimbledon last year, however, with a strong serve and offensive ground stroke capable of becoming the next big thing, provided he can become consistent.

All things being equal, Dimitrov is the most likely candidate to be the next big thing in men’s tennis, and the intangibles, or that elusive quality that separates the great from the good, have dominated his game this year.

The next competition for Dimitrov will be the Harvard Invitational at the Hynes Convention Center, April 5-6.

By Mindy Brauer

MITballroom dance team dominates in tournament

MIT’s rookies, others participate in Big Apple Dance Competition at Columbia University

By Amy C. Fan

On the weekend of March 7-9, several couples on the MIT Ballroom Dance Team (MIT-BDT) traveled to Columbia University to compete in the first Big Apple Dance Competition (BADC), one of the largest such competitions on the East Coast. Of note, every MIT-BDT rookie, that is anyone who is a first-year dancer on the team, made it to at least several semifinals. This year’s rookie class dominated in the newcomer finals. We also had a team captain place as a finalist in Champ, the highest level.

The two-day competition began with the American Rhythm and International Standard Gavotte/Renewal. With one couple competing in the newcomer event, Daniel R. Chen ‘16 and Brittany N. Bautista ’17 placed second overall in the newcomer American Rhythm, while Zohaib Mahmood G and Francesca Y. Majluf ’17 placed third overall.

Chen went on to finish first overall in the newcomer International Standard with his partner Casey R. Crownhart ’17. Daniel B. Richard ’17 and Devon A. Sklar ’15 placed second overall in the newcomer International Standard.

The Bronze Rhythm had over fifty couples competing with varying experience in dancing. Some of the dancers were quite experienced, while MIT’s own couple, Corey A. Cleveland ’17, for example, had only six months of dancing experience. Cleveland successfully finished second place overall with his partner Chi Flukkerna from Wellesley College in the Bronze Rhythm.

On Saturday, March 9, the MIT-BDT dancers participated in the American Smooth and International Latin events. Chen and Crownhart, and Bichan and Sklar once again showed their prowess and placed first overall and third overall, respectively, in the American Smooth event. Mahmood and Majluf nabbed first overall in the International Latin, while Harinin and Flukkerna also placed first overall in the same event.

In addition to the rookie class, a few other MIT-BDT couples also attended the Columbia competition. Jorge L. Valdez G and Laura L. Marcus ’16 placed third in the Silver in the American Smooth Swing/Mambo, and seventh in the International Latin Samba/Jive. Alex Martinez G and Julian B. Chang were placed third in the Prechamp International Standard Waltz/Tango/Quickstep and seventh in the Prechamp International Standard Waltz.

Ben Moss G and Esther Rhinehiser placed fifth overall in the Prechamp Standard.

The next competition for MIT will be the Harvard Invitational at the Hynes Convention Center, April 5-6.

Men’s volleyball team stays undefeated en route to title

MIT claims second straight championship title at the Johnson & Wales University Invitational

The MIT men’s volleyball team went 4-0 en route to its second straight championship title at the Johnson & Wales University Invitational held this past weekend. The No. 5 Engineers [20-4] defeated the York College [NJ] [25-8, 25-22, 25-11], Vassar College [25-20, 25-20, 25-26, 25-19, 15-9], Wentworth Institute of Technology [25-20, 25-19, 25-23], and the host Wildcat [25-20, 17-25, 25-14] for the crown. Paul M. Syta ’14 was named the tournament Most Outstanding Player while Bren- Andy Murray ’14, and mixing it up with the Cardinal and Gray on the All-Tournament Team.

Kenneth M. Sib接入’14 led the way with nine kills and a .571 hitting performance as Martin J. Krauski ’17 connected on five of his six hitting at- tempts versus York. Aaron D.

The next competition for MIT will be the Harvard Invitational at the Hynes Convention Center, April 5-6.

MIT returns to action on Saturday, March 22 when it visits No. 16 Stevens Institute of Technology for its final United Volleyball Conference match of the season.