

DIRECTOR'S SCRIPT



Book, Music, and Lyrics
DAVID QUANG PHAM

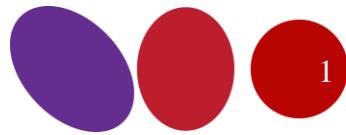
Narrative Dramaturgy
JORDAN ALEXANDRIA EALEY

www.ellipsesplay.com
  [tumblr. @EllipsesPlay](#)

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For Dr. Edwin Din Loh
The Author's Longtime Instructor
Professor of Physics and Astronomy
Michigan State University





ELLIPSES

The Multiverse
in a Light Opera
by
David Quang Pham

ELLIPSES developed under Working Title Playwrights (WTP) in Atlanta. At the time, Amber Bradshaw was the Managing Artistic Director, Aliyah Curry was the Rosalind-Ayres Williams Memorial Scholarship recipient, and David Quang Pham was the second apprentice. In 2017, this myth steadily manifested during his undergrad program while researching galactic formations. The story was reconceived in his first WTP class: Addae Moon's "Generating Story Ideas." The working title was WORKING TIDAL in the spirit of WTP and tidal forces. ELLIPSES was uncovered in Pham's geometric theme in all his work. The elliptical colors are celestially inspired by wavelengths related to their alma mater's (Wyoming High) purple and WTP's color. Jordan Alexandria Ealey is the first dramaturg, Aliyah Curry is the first director, and Alexis 'Lexi' McKay is the first stage manager.

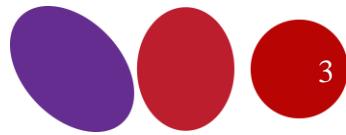


WORKING TITLE



THANK YOU

<u>Name</u>	<u>Role</u>
Edward Brown, Danny Caballero, Dionne O'Dell, Denise Troutman	Professors of Physics and Astronomy Professors of Theatre or Writing
<u>Janelle Lawrence</u>	Musical Theatre Mentor
<u>Amber Bradshaw</u>	Apprenticeship Facilitator
<u>Emily McClain</u>	First Reader
<u>Alexis McKay</u>	Fireworks/Stage Manager
<u>Jordan Alexandria Ealey</u>	Hat/Dramaturg
<u>Aliyah Curry</u>	Butterfly/Director
<u>Parris Sarter</u>^{*2}, <u>Minka Wiltz</u>*	Singularity
<u>Vallea E. Woodbury</u>	Gravity
<u>Daniela Cobb</u>*	SPT0615-JD
<u>Jason-Jamal Ligon</u>	Cartwheel
<u>Skye Passmore</u>	Whirlpool
<u>Abby Holland</u>	Triangulum
<u>Daniel Sakamoto-Wengel</u>	Andromeda
<u>Evan Phillips</u>	Milky Way
<u>Kait Rivas</u>	Tidals
<u>Sofia Palmero</u>*	Narrator
<u>Kate Leanne Jacoby</u>*	Understudy
Isake Akanke, Robert Bryan Davis, Jeff Hathcoat ² , Ebony Jerry, Tina Mitchell, Bryan Montemayor ² , Lee Osorio ² , Mary Lynn Owen, Lau'rie Roach, Imani Vaughn-Jones ²	Monday Night Development Workshops Readers*



DEVELOPMENT

- August 2020 — July 2021: Working Title Playwrights New Play Development and Dramaturgy Apprenticeship
 - October 5, 2020: [Reading with Talkback](#) of the first scenes
 - December 7, 2020: [Reading with Talkback](#) of the first scenes of the second act
 - February 1, 2021: [Reading with Talkback](#) of the Big Bang
 - May 3, 2021: [Reading with Talkback](#) of Milky Way's arc
 - July 15, 2021: [Concert Reading with Talkback](#) directed by [Aliyah Curry](#)
- June — October 2021: Theater Resources Unlimited Workshops
 - June 13, 2021: How to Write a Musical That Works – Part One: The World and the Want [Workshop with Talkback](#)
 - October 17, 2021: How to Write a Musical That Works – Part Two: Conflict and Obstacles [Workshop with Talkback](#)
- October 2021: Universities
 - October 19, 2021: [Showcase with Talkback](#) at Durban University of Technology



PLOT SUMMARY

An epic cosmology mythology, ELLIPSES centers on the Galaxy family and their quest to undo the Big Bang, after their dog Gravity sets it off. This coming-of-age light opera follows a young adult and their dog running away from home. SPT0615-JD and Gravity, a tidal force, journey to the Edge of our Universe. The story explores the Big Crunch Theory and Hubble's Law, which states that Galaxies must distance from the Center. They are human, as we want to get out. The analogy is expressed through these cosmic personifications. A dome represents the Center, the stage is space, and the fourth wall is the Edge. Our Universe is truly a family drama in play.

The Galaxies begin their routine by scoping out towards the Edge ("[Bounce](#)"). Their parent calls them up for supper. Singularity nurtures them and their tidal dogs, but a child is missing at this family gathering ("[Crunch](#)"). JD remains looking out, tangentially wanting to go to the Edge ("[Cutting Edge](#)"). They see their legacy as apparent. However, Singularity speaks of its perils. In retaliation, Gravity fights Singularity to go outside but ends up getting grounded in the doghouse. As the siblings head off to bed, JD and Milky Way discuss growing up ("[Figure](#)").

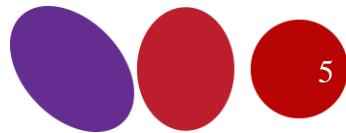
After Milky Way goes to bed, JD hears Gravity persuading them to search the rug. JD finds Singularity's Big Bang Taser stashed underneath and deems the Fabric of Spacetime to be just as sturdy ("[Zilch](#)"). Later, Singularity assesses their children's black-hole hearts ("[Luminous](#)"). With this being the final straw, JD strikes their parent with the Big Bang Taser. Singularity goes lifeless. In the chaos, JD flees with Gravity to the Edge, but the Edge keeps distancing away. It is like a rolled-up rug that JD keeps rolling away ("[Big Bang](#)"). At this start of the Universe, Gravity and JD enjoy themselves ("[Verse](#)").

Meanwhile, the teen Galaxies mourn ("[Rip](#)"). The children are now left to fend for themselves. They realize that they must get a move on and undo the Big Bang. Because there is no longer Crunch Time, they may starve without Singularity's care as the Universe thins itself out. Triangulum convinces the siblings that JD is their chance at survival ("[Anomaly is Everything](#)"). Triangulum decides to journey out to find JD with Andromeda. They instruct Cartwheel and Whirlpool to babysit Milky Way. However, they leave Milky Way behind. Cartwheel looks to bring family (JD) home while Whirlpool is upset that family (Milky Way) was left behind. Eventually, they decide to return home to be present for their baby sibling ("[Time is Relative](#)"). But they find that Milky Way has left to wander the Universe alone ("[Big Rip](#)").

Isolated and alone, Milky Way talks to their planetary friends about physically growing up ("[Warp, Waves, and Wrinkles](#)"). Eventually, Triangulum and Andromeda find Milky Way in an exhausted state of adolescence ("[Globular](#)"). The Solar System has developed into a swelling. Andromeda comes to the aid of Milky Way. As a result, Milky Way becomes a Quasar, leading the teen Galaxies to be reunited ("[Fabric](#)").

A trillion years pass, and Gravity and JD are still traversing space. They find time to play fetch, and Gravity catches on JD's fugue. Through a stellar speech, Gravity explains that the point of return is far-fetched ("[Far-Fetched](#)").

From the cosmic beyond, Singularity sings ("[Point](#)").



In the following act, Singularity's backstory is presented. Apparently, they themself ran away from their own Universe ("Heat Death"). An eternity passes, and Gravity and JD hit a wall while looking for the Edge. Gravity believes that one can overcome it by relaxing ("Parallax"). In that spirit, the Edge unveils ("Tangent"). Surrounded by spectacles that reminds them of family, JD decides to head back and take the Edge with them. Gravity feels betrayed as they fought hard for the wide-open space, only for it to be a singularity again. Gravity wounds JD and JD is left to return home alone, unrolling the Edge ("...").

JD stumbles upon their siblings' campsite. The teen Galaxies have been caging tidal dogs. JD releases them but is caught ("Bounce Back"). JD blames Gravity for the Big Bang. The Galaxies believe JD and returns home to heal them ("Everything").

JD tries to adjust to life as a caretaker but ends up being a dropout ("Apparent"). In these millennia of grief, Milky Way jolts Singularity back to life ("Spacetime"). Singularity looks beyond the Edge to find JD shedding light in their Ellipse ("Liminality").

All of a sudden in JD's honor, Gravity returns with a wolfpack. The Galaxies and the tidal forces end time in this epic showdown ("The Big Rip of Zenith"). When all is lost, Singularity and their Galaxies pray at their table in the Center of our Universe as the tidal forces consume them ("Big Crunch").

In the darkness, a bang is seen and heard again ("Big Bounce").

The supermassive heart of the story is the Big Bang Theory and finding oneself in the nothingness, as an anomaly and family. Family is everything. Everything is family. When it comes to nothing... Nothing is an opportunity to make something of yourself.

Working Title Playwrights Apprenticeship presents
a concert reading of a science musical about family

ELLIPSES

Book, Music, and Lyrics by DAVID QUANG PHAM
Dramaturgy by JORDAN ALEXANDRIA EALEY

Directed by ALIYAH CURRY
Managed by ALEXIS MCKAY
Moderated by AMBER BRADSHAW
Narrated by SOFIA PALMERO
Performed by the Star-Studded Cast

ONLINE VIA ZOOM
THURSDAY, JULY 15, 2021
SHOW · 6:30PM ET | TALKBACK · 9PM ET
ELLIPSESPLAY.COM



PARRIS SARTER
Singularity



VALLEA E. WOODBURY
Gravity



DANIELA COBB
SPT0615-JD



JASON-JAMAL LIGON
Cartwheel



SKYE PASSMORE
Whirlpool



ABBY HOLLAND
Triangulum



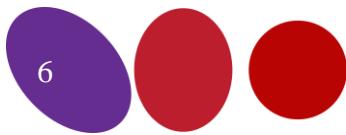
DANIEL SAKAMOTO-WENGEL
Andromeda



EVAN PHILLIPS
Milky Way



KAIT RIVAS
Tidals



CHARACTER BREAKDOWN

○ Androgyny Astronomy ○

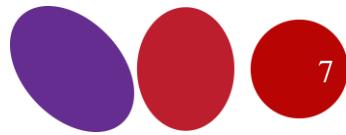
○ Casting from historically excluded racial minorities is recommended ○

<u>Character</u>	<u>Nature</u>	<u>Identity</u>
SINGULARITY	Super Infinite Black Hole	Adult
The relativistically impossible single parent. Singularity wants to keep all the luminosity within the liminality.		
GRAVITY	Tidal Force	Dog
A tidal dog. Gravity wants to ground and free up the wide-open space.		
SPT0615-JD	Embryonic Galaxy	Young Adult
Singularity's oldest child. The prophetic galactic sibling. JD wants to shed light and be apparent to their lightless legacy.		
CARTWHEEL	Ring Galaxy	Teen
Singularity's child. The aerobic galactic sibling. Cartwheel wants to earn their ring.		
WHIRLPOOL	Grand-Design Spiral Galaxy	Teen
Singularity's child. The anaerobic galactic sibling. Whirlpool wants to spiral into enlightenment.		
TRIANGULUM	Spiral Galaxy	Teen
Singularity's child. The jingoistic galactic sibling. Triangulum wants to be the role model.		
ANDROMEDA	Spiral Galaxy	Teen
Singularity's child. The scenic galactic sibling. Andromeda wants to find the pearl in our oysterous Universe.		
MILKY WAY	Barred Spiral Galaxy	Preteen
Singularity's youngest child. The angelic galactic sibling. Milky Way wants their voice to be all that it is cracked up to be.		

<u>Ensembles</u>		
TIDALs	<u>MULTPLICITIES*</u>	<u>SOLAR SYSTEM</u>
	Invariant	Sun (Singularity)
	Fix	Mercury (JD)
		Earth (ensemble)
		Jupiter (Whirlpool)
		Saturn (Cartwheel)
		Uranus (Triangulum)
		Oort Cloud (Andromeda)

*

ABELL 2261	Elliptical Galaxy	Child
An anomalous galactic sweetheart beyond the Edge of the Universe. Abell is SPT0615-JD's timely loved one in the audience.		



TIDALS

Tidals are tidal forces personified as canines. Over the course of the story, the dogs evolve into wolves.

The barks and woofs of Tidals are uttered by barking: "Force." Their howls are uttered by howling: "Fall." Singularity and most Galaxies cannot converse with the Tidals. JD can understand the tidal language through Gravity.

MULTIPLICITIES

Multiplicities are coupled Galaxies seated in the audience of the theatre. Invariant and Fix are Singularity's parents. Singularity was born and raised by them in another universe. In that universe, Galaxies do not have a heart and are constantly shedding light. Singularity was an anomaly there, as they hold light within their inescapable heart. Big Bang Tasers are produced by these Multiplicities, as they are laws of physics enforcers in a universe made up entirely of electricity. In "Heat Death," the Multiplicities cry out for Singularity, after Singularity runs away to our Universe.

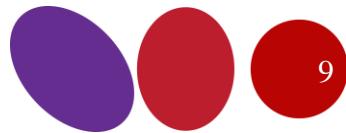
SOLAR SYSTEM

Solar System are celestial bodies that speak to Milky Way when they wander the Universe alone. They are like imaginary friends, before these planetary friends physically come to life as puppets and dancers. During the first act, they speak for several billion years (quarter-hour staging time) before the Sun becomes a red giant (zit). Any set of cast members may voice the general Solar System. The principal characters are in brackets [] for potential doubling.

MUSICAL NUMBERS

<u>#</u>	<u>Page</u>	<u>Title</u>	<u>Characters</u>	<u>○Present/Unvocal</u>	<u>○Vocal/Unpresent</u>
1.	16	<u>Bounce</u>	SINGULARITY GALAXIES		
2.	22	<u>Crunch</u>	SINGULARITY TEEN GALAXIES JD GRAVITY <i>tidals</i>		
3.	23	<u>Cutting Edge</u>	GALAXIES GRAVITY SINGULARITY		
4.	33	<u>Figure</u>	JD MILKY WAY		
5.	37	<u>Zilch</u>	JD GRAVITY <i>tidals</i>		
6.	40	<u>Luminous</u>	SINGULARITY GALAXIES		
7.	42	<u>Big Bang</u>	SINGULARITY GALAXIES GRAVITY <i>tidals</i>		
8.	44	<u>Verse</u>	JD GRAVITY SINGULARITY		
9.	46	<u>Rip</u>	TEEN GALAXIES SINGULARITY		
10.	51	<u>Anomaly is Everything</u>	TEEN GALAXIES		
11.	59	<u>Time is Relative</u>	CARTWHEEL WHIRLPOOL		
12.	65	<u>Big Rip</u>	CARTWHEEL WHIRLPOOL <i>tidals</i> SINGULARITY		
13.	70	<u>Warp, Waves, and Wrinkles</u>	MILKY WAY solar system		
14.	75	<u>Globular</u>	ANDROMEDA TRIANGULUM		
15.	77	<u>Fabric</u>	TEEN GALAXIES MILKY WAY <i>tidals</i>		
16.	83	<u>Far-Fetched</u>	GRAVITY JD <i>tidals</i>		
17.	86	<u>Point</u>	SINGULARITY <i>tidals</i> multiplicities		
18.	89	<u>Heat Death</u>	SINGULARITY INVARIANT FIX		
19.	100	<u>Parallax</u>	GRAVITY JD		
20.	103	<u>Tangent</u>	JD GRAVITY SINGULARITY		
21.	106	<u>...</u>	GRAVITY <i>tidals</i> JD		
22.	108	<u>Bounce Back</u>	GALAXIES <i>tidals</i>		
23.	115	<u>Everything</u>	GALAXIES		
24.	123	<u>Apparent (Shed Light)</u>	GALAXIES SINGULARITY GRAVITY <i>tidals</i>		
25.	125	<u>Spacetime</u>	SINGULARITY TEEN GALAXIES		
26.	126	<u>Liminality</u>	JD ABELL		
27.	127	<u>(The Big Rip of) Zenith</u>	GRAVITY SINGULARITY TEEN GALAXIES <i>tidals</i>		
28.	133	<u>Big Crunch</u>	SINGULARITY TEEN GALAXIES <i>tidals</i>		
29.	136	<u>Big Bounce</u>	COMPANY		

Legend: Recorded | Scored | Not Yet Scored



MUSICAL CHARACTERIZATIONS

*Due to the open-ended and androgynous nature of each character, there are no specified vocal ranges. In the scores, the treble clefs of the vocals are parenthesized with (8). It is up to the music director to adjust the octaves to fit the casting of each character.

SINGULARITY | Their nature is operatic. So, it is suitable for opera performers to portray them. The hums are the longing melodies in “Heat Death”: D3-5 B2-4 C#3-5 G#2-4 E2-4 F#2-4 G#2-4 F#2-4

TRIANGULUM | Associative Instruments: Triangle, Handbell

ANDROMEDA | Their Galaxy shanty has a default phrase of chord progressions. But they may be interpreted in any way the performer sees fit as recitative. They may scat sing “Globular.”

MILKY WAY | Associative Instrument: Cowbell (may be attached to Milky Way’s physicality or personality)

Diet: Eat or drink as many dairy products before the performance as one pleases. Disregard this if one is lactose intolerant.

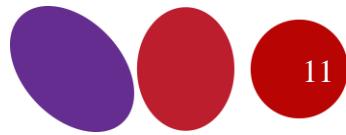
CARTWHEEL | Associative Instruments: Jingle Ring Tambourine, Jingle Bell

ABELL | Associative Instruments: Chimes

Leitmotif from “Able” whenever Abell is focused upon. “Able” is in any phrase in “Liminality”.

SCENES

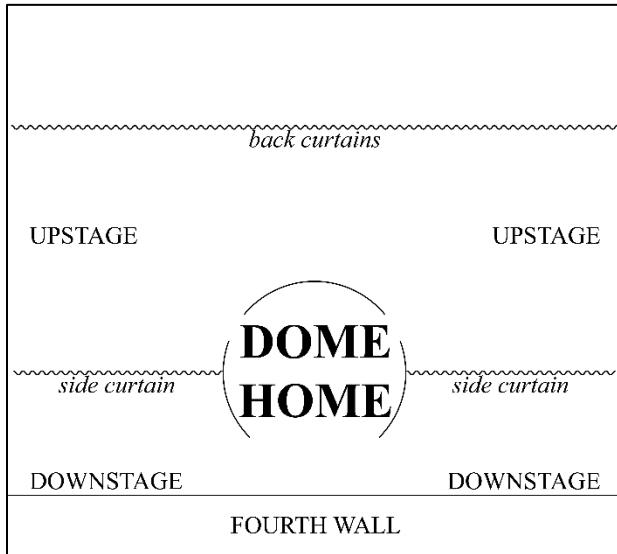
<u>Act</u>	<u>Page</u>	<u>Location</u>	<u>SET props</u>
Ii	15	The Center of the Universe	DOME HOME FIELD EQUATIONS RUG SEATS(7) TABLE Big Bang Taser dishes knapsack monocular snow globe whoopie cushion
Iii	30	The Center of the Universe	
Iiii	38	The Center of the Universe	
Iiv	44	The Fabric of Spacetime	FIELD EQUATIONS (including $f=ma$, $v=H_0*D$) knapsack
Iv	46	The Center of the Universe	DOME HOME RUG SEATS TABLE Singularity's body
Ivi	55	The Fabric of Spacetime	FIELD EQUATIONS (including $\Delta t = (\Delta t_0)/\sqrt{1-v^2/c^2}$) magnolia flowers(2) monocular
Ivii	57	The Fabric of Spacetime	
Iviii	65	The Center of the Universe	DOME HOME RUG SEATS TABLE Singularity's body
Iix	66	The Fabric of Spacetime	FIELD EQUATIONS balls knapsack
Ix	75	The Fabric of Spacetime	
Ixi	81	The Fabric of Spacetime	
Ixii	86	The Center of the Universe	DOME HOME RUG SEATS TABLE
Iii	89	Singularity's Past Universe	DOME HOME Big Bang Taser black fabric
Iii	97	The Fabric of Spacetime	FIELD EQUATIONS (including $d = 1/p$) knapsack
IIiii	103	The Edge of the Universe	ENCHANTED AND SOFT UNIVERSE knapsack
IIiv	106	The Edge of the Universe	
IIv	108	The Continuum Checkpoint	3 DOMES [left: doghouse, central: sleeping quarters, right: command post] knapsack snow globe
IIvi	118	The Center of the Universe	DOME HOME RUG SEATS(6) TABLE Big Bang Taser dishes mirror snow globe whoopie cushion
Ivii	127	The Center of the Universe	
III	136	A Fresh Universe	DOME HOME RUG SEATS TABLE balls knapsack snow globe



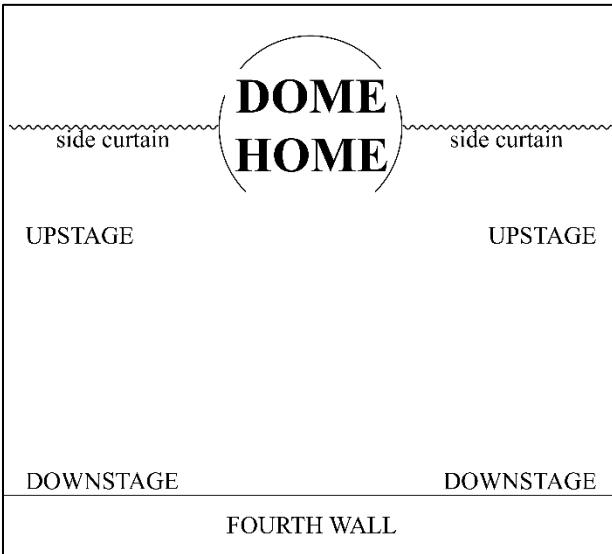
SETTINGS

THE CENTER OF THE UNIVERSE

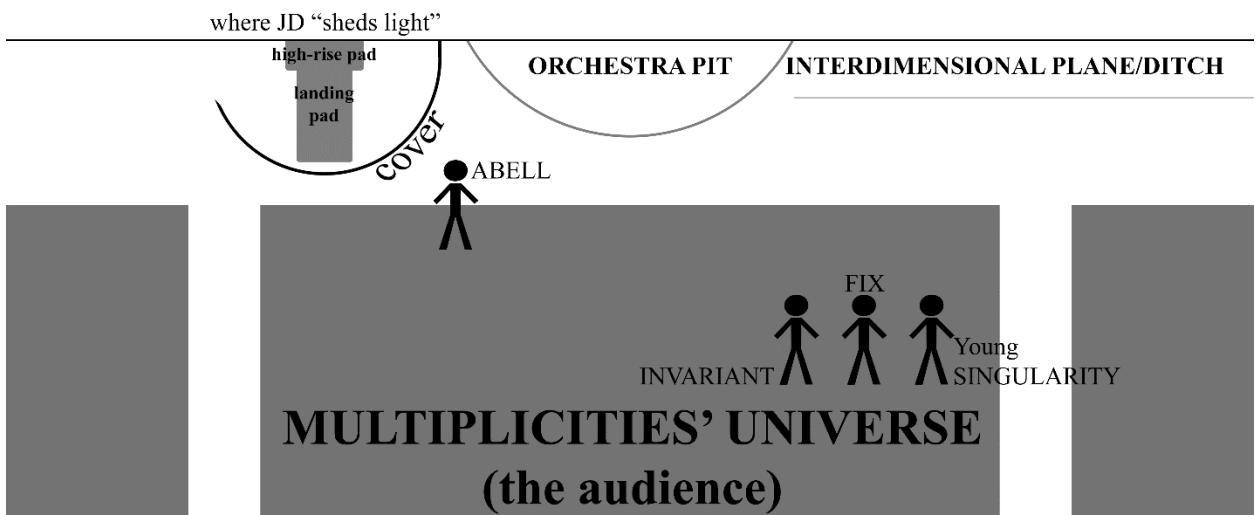
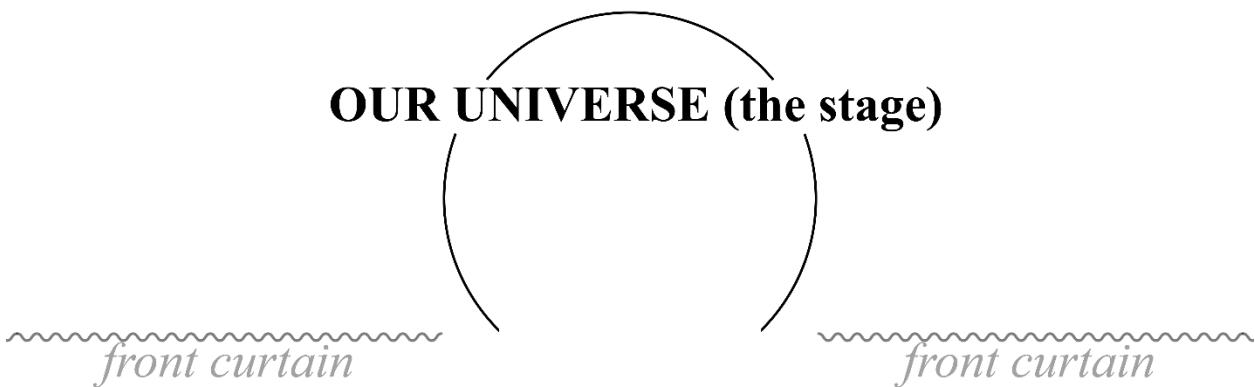
Pre-Big Bang & Big Bounce



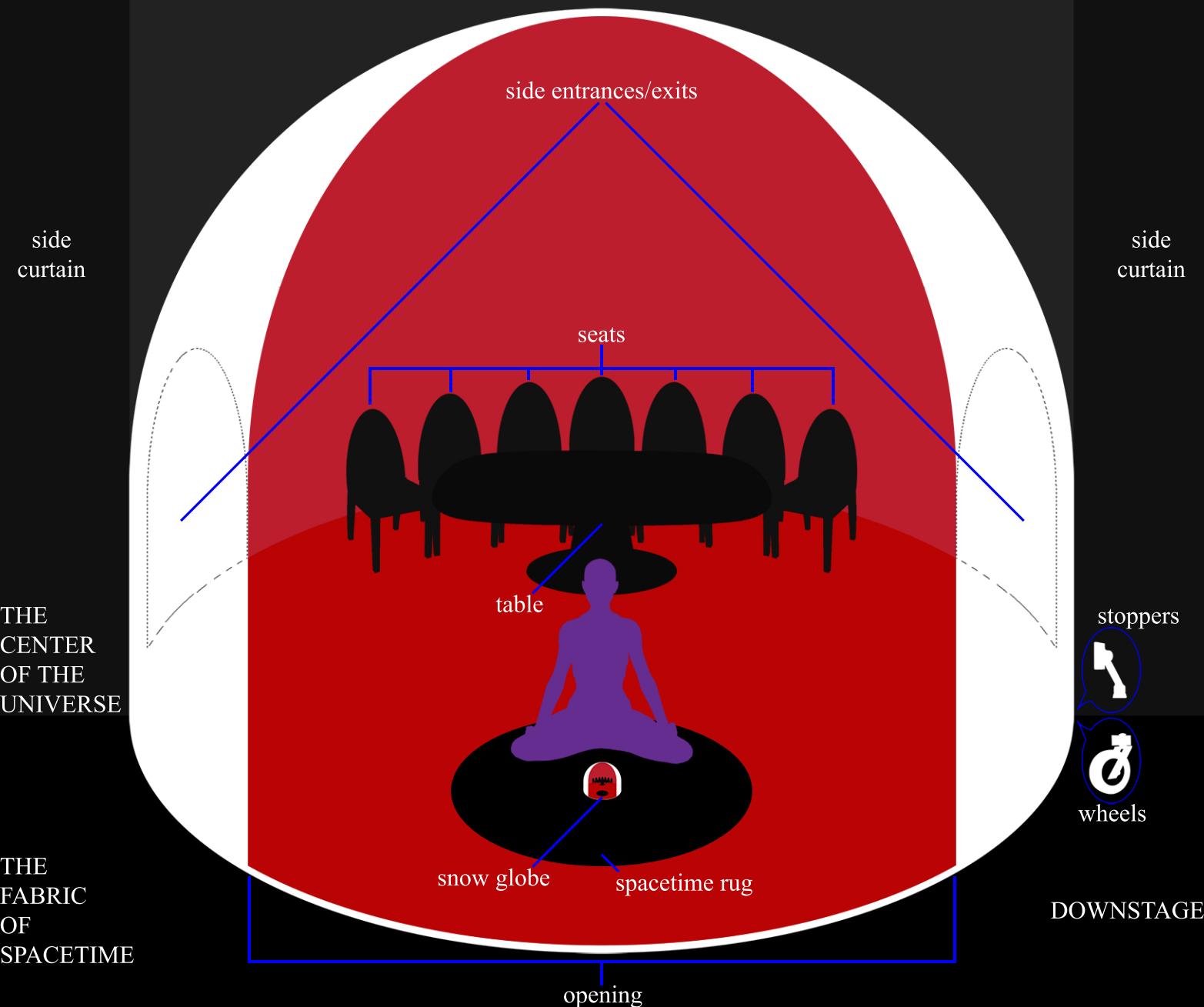
Between Big Bang & Big Bounce



OUR UNIVERSE (the stage)

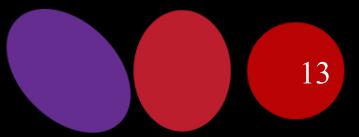


THE ELLIPSES / DOME HOME



THE EDGE OF THE UNIVERSE

FOURTH WALL



13

THE CONTINUUM CHECKPOINT

Doghouse



Sleeping Quarters

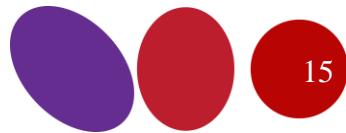


Command Post





ACT I



ACT I SCENE 1

[The Center of the Universe]

[The Ellipse is positioned downstage center. Inside is a table with seats and a rug. Lights dwell solely within the Dome. Outside, the stage is mainly off limits. Everything upstage is concealed by the side curtains. Equations are teeming flowers in the space.]

(SINGULARITY hums as they pick equations outside the home. They place them on a dish. They head to the rug to meditate.)

(The MULTIPLICITIES are in the audience.)

MULTIPLICITIES

Nothing.

(Startled, SINGULARITY draws out the Big Bang Taser. They ignite it outwards.)

(The TIDALS distantly whimper.)

[The lights flicker. The curtains ripple. The field equations loom like a field of flowers. The Universe flashes their wonders.]

(From the audience, ABELL enters. They sit in a front row seat.)

(SINGULARITY stows away the Big Bang Taser underneath the rug, reversing the Universe. They look upon ABELL.)

SINGULARITY

Nothing...

(Leaving through a side exit of the home.)

1. BOUNCE

(*JD enters, holding a monocular. They position themself at the edge of the home. They look out through the monocular.*)

(*TRIANGULUM wanders out, carrying a snow globe that resembles the home. They head to JD. They snatch their monocular and look out. They toss it behind.*)

TRIANGULUM

NOTHING.

(*WHIRLPOOL spirals out. They catch or pick up the monocular. They look out.*)

WHIRLPOOL

NOTHING!

(*CARTWHEEL cartwheels out. They snatch the monocular from WHIRLPOOL. They look out.*)

CARTWHEEL

NOTHING!

(*ANDROMEDA pops out.*)

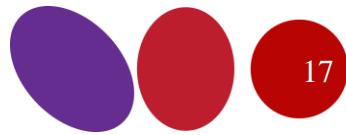
(*CARTWHEEL hands the monocular to ANDROMEDA.*)

(*ANDROMEDA looks out. They stow away the monocular.*)

ANDROMEDA

NOTHING!

(*MILKY WAY is disheveled. They stroll in.*)



MILKY WAY

NUTHIN'...

(The TEEN GALAXIES – CARTWHEEL, WHIRLPOOL, TRIANGULUM, ANDROMEDA, MILKY WAY – cluster towards the center.)

TEEN GALAXIES

LET'S BOUNCE!

(The TEEN GALAXIES bounce away from one another. They land on their respective walls. They distinctly move and dance alongside the walls of the home. In choreographic exposition, they distinctly pose at certain melodic phrases.)

SINGULARITY (offstage)

MILKY WAY! ANDROMEDA! TRIANGULUM! WHIRLPOOL! CARTWHEEL!

(MILKY WAY lugs their way to the table. ANDROMEDA heads to the table. TRIANGULUM triangulates to the table. They place the snow globe on the table. WHIRLPOOL spirals to the table. CARTWHEEL cartwheels to the table.)

SINGULARITY

JD!

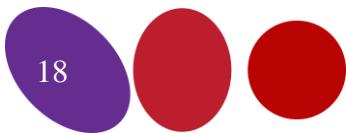
(JD remains staring out at the Edge. They extend their arm out.)

JD

ABELL...

(ABELL reaches out to JD.)

[End of “Bounce”.]



(All TIDALS prowl in and surround the table.)

(SINGULARITY arrives with dishes. They bow.)

SINGULARITY

Declinations, family. The Galaxy family. It is that time.

(Placing the dishes around the table.)

(GRAVITY narrates.)

GRAVITY

Nothing comes close to family... Except “pets.” I’m Gravity. I’ve been in here for infinite dog years. And this is the story of the Galaxy family. We’ve long lived in this Ellipse. Singularity has closed off the outside world for quite some time. Eternities, in fact. This Dome is all they’ve ever known. Most kids aren’t much older than a dozen eternities, but one is nearing two. I like this one. This Ellipse is only perfect, with our oldest Galaxy: JD...

JD is on the edge. While their siblings see “nothing” out there, JD sees a future *Ellipse* in the nothingness. Beyond the Edge of the Universe. I sense that their dream is to have an ellipse of their own. JD deserves a life of their own. What adult doesn’t want to leave the safety of their home to go explore the Universe?

Singularity does not own us: Galaxies or me, a tidal force. Singularity can’t hold us forever. Singularity shall face the Big Bang, even if it’s the last thing Gravity does. In Zenith... Force!

(SINGULARITY shushes GRAVITY. They set a dish on the ground, for the TIDALS to feast upon.)

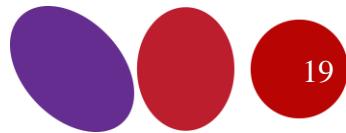
(MILKY WAY hugs SINGULARITY.)

(The TEEN GALAXIES bow.)

TEEN GALAXIES

Declinations, Singularity.

(The TEEN GALAXIES sit, while TRIANGULUM unfortunately sits on the whoopie cushion.)



SINGULARITY

Sounds like someone enjoyed a little too much gas giants.

TRIANGULUM

Quit the snickers, Milky Way.

SINGULARITY

Has anyone seen my scope? Where could they be? It's got to be in here...

(Touching the snow globe.)

ANDROMEDA

Everything in here is a cluster flux. Wouldn't hurt to look out—

SINGULARITY

If you escape my gravitational pull and step out onto the space, you'll end up ripping apart the Fabric of Spacetime. Then I, the grandmaster of the Universe, will be out of order. Forget the scope. We got all the cosmic formulas right here in our Ellipse. With my wrists and black-hole heart, I cooked you nebulae something special: nuclear pasta and meteors.

CARTWHEEL

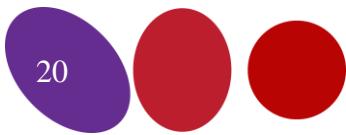
Special for the trillionth millennium, you Bạch Hổ¹...

SINGULARITY

I, *tiger nomy/mom/dad*, am so glad that this meal is as special as our first. They're heated to over ten million degrees Kelvin and rotated in the cosmic microwave background at the angular velocity of a dozen sine squared its solar latitude minus one sine to its fourth power. Strongest material in the cosmos. A variety of nutrition from the crusts of neutron stars. Dismantle the mantle. But leave the core. I'd love to planet these.

(GRAVITY tries to grab TRIANGULUM's dish.)

¹ Bạch Hổ is Vietnamese for “white tiger,” sounds like “black hole,” and implies tiger parenting.



(TRIANGULUM slaps away GRAVITY.)

TRIANGULUM

That is not for you to gravitate to. Stupid tidal force... Nothing between those ears but a vacuum.

(Unnervingly scratching GRAVITY's ear.)

ANDROMEDA

Throw the dog a meteor. If a tidal force wants a swig, they can have the spaghettification. Fix...?

(Tossing invisible spaghetti to GRAVITY.)

Who's a good tidal force? You all are!

(The TIDALS bark while SINGULARITY tries to get them to sit.)

TIDALS

SINGULARITY

Force! Force! Force! Force! Force! Force! Fix. Fix. Fix. Fix. Fix. Fix.

(MILKY WAY dives into their dish.)

TRIANGULUM

Again, Milky Way?

ANDROMEDA

Ye mostly photons, Triangulum.

CARTWHEEL

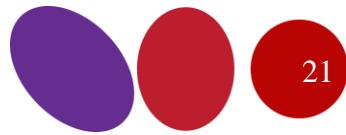
It takes eight millennia to burn that, Andromeda.

WHIRLPOOL

A simple nap ain't last any longer, Cartwheel.

SINGULARITY

Most of you went through a phase where you ate megatons. You want to accrete and be a Grand-Design Spiral Galaxy, don't you? Like Whirlpool?



(*CARTWHEEL mocks WHIRLPOOL's physique.*)

WHIRLPOOL

You may be well rounded, but you ain't got spiral arms in this fight. You're full of heavy blue stars. Ring a bell, Ring Galaxy?

CARTWHEEL

Gal, I put no weight or stress on myself. All you are *are* stretched-out circles. Y'all are the morbidly spiral Galaxies.

ANDROMEDA

Least you're not a two-dimensional square, like this Galaxy.

TRIANGULUM

I'll run faster than light circles around you, Galaxies.

(*TRIANGULUM tosses the whoopie cushion at CARTWHEEL.*)

(*CARTWHEEL and WHIRLPOOL go on the defense.*)

MILKY WAY

(*Mouthful of nuclear pasta.*)

Kau tau to you, ellipsoids².

CARTWHEEL

WHIRLPOOL

TRIANGULUM

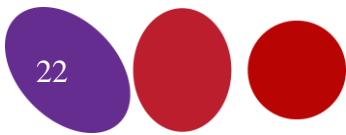
Shut your worm hole, you quasi-Galaxy. At least we're not babies!

SINGULARITY

Oneness, clusters of stars! Gals. Your hearts are all vigorous.

(*Lovingly pinching MILKY WAY's cheek.*)

² In geometry, an ellipsoid is a three-dimensional ellipse. In ELLIPSES, this is like calling someone a “giant.”



SINGULARITY (cont.)

Always, full of grace. Let us save space.

2. CRUNCH

(*SINGULARITY prays.*)

SINGULARITY

FEED THAT HOLE IN YOUR HEART.
GIVE INTO INTERNAL DARKNESS.
SHED OUR LIGHT FOR NO ONE.
AS IT'S CRUNCH TIME, GALAXIES.

IN BLACK HOLES, DWELL WISDOM.
FED BY THE SPRINKLES OF STARDUST.
CRUSH THEIR DREAMS IN YOUR PALM.
IT IS CRUNCH TIME, MY BABIES.

(*The TEEN GALAXIES pray with SINGULARITY.*)

TEEN GALAXIES

CONSUME STAR SYSTEMS.
CONSUME WORLDS THAT TEEM.
CONSUMED BY THOUGHTS OF FAMILY. FAMILY...

SINGULARITY

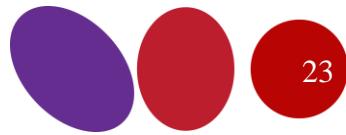
STRING BY STRING IN THEORY.
AND FABRIC BY SPACETIME FABRIC.
HOLD OUR LOVE AS A WHOLE.
IT IS CRUNCH TIME, WE BELIEVE.

WHIRLPOOL

IT IS CRUNCH TIME, SINGULARITY.

TRIANGULUM

IT IS CRUNCH TIME, SINGULARITY.



CARTWHEEL

IT IS CRUNCH TIME, SINGULARITY.

ANDROMEDA

IT IS CRUNCH TIME, SINGULARITY.

MILKY WAY

IT IS CRUNCH TIME, NOMY/MOMMY/DADDY SING.

SINGULARITY

IT IS CRUNCH TIME, JD?

SPT0615-JD?

[End of “Crunch”.]

3. CUTTING EDGE

(GRAVITY splits from the TIDALS. They stroll to JD, who is looking upon their Galaxy family, to be their canine companion.)

JD

NOT THE TIME
TO PUSH ME OVER THE EDGE...
CUT INTO MY—
PUSH ME OVER THE EDGE OF THE...

(GRAVITY turns JD’s head to what’s outside.)

CENTER WITH OUR RELATIVES.
OUR TIDAL DOGS.
GRAVITY, ALWAYS GROUNDING ME.

(Nearing the edge of the home.)

YOU SEE.
I GO OFF ON A TANGENT.
WHERE THE CUTTING EDGE WILL BE...

JD (cont.)

WHERE THE CURVATURE CONCEALS ALL WORLDS LEADING INTO
KINSHIP.

SAIL OUT OF THIS ELLIPSE.

WHERE THE ASTRAL BEACH WILL MEET AN OCEAN FULL OF
CHORAL REEFS.

SEA WITH OTHER *ELLIPSES*³.

WHY IS THIS CIRCLE LACKING THE CURIOSITY IN ALL?
STUCK IN THIS HERE, GALA.

WHY ARE THESE OVALS⁴ BENT ON SEEING NOTHING IN MYSTERY?
LOOK BEYOND THESE GALAXIES.

TEEN GALAXIES

CUT AWAY FROM THE EDGE!

JD

WHY DON'T YOU MAKE ME?
ALL YOUR FIGHTS HAVE DRIVEN A WEDGE.
PLEASE LET ME BE AT PEACE BY THE EDGE.
GO BACK AND CIRCUMVENT.
I'LL JUST BE OUT ON A TANGENT—

(In JD's head, the TEEN GALAXIES seem to be droning on.)

TEEN GALAXIES

SPT0615-JD.

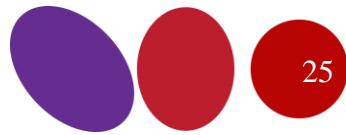
AS WE ARE JUST SAYING BEFORE YOU CUT US OFF.
NOTHING'S CUTTING OUTTA THE EDGE.
NO ONE'S GOING OVER THE EDGE.
JOIN US FOR CRUNCH.

JD

APPARENTLY, I HAVEN'T MADE MYSELF CLEAR.
CUTTING MY EDGES MAKES MYSELF APPARENT AS *YOU...* (*SINGULARITY*)

³ In geometry, ellipses are ovals. In linguistics, ellipses indicate omissions. In ELLIPSES, this is a divisive term.

⁴ Being called an “oval” is like being called “slow” while being called an “ellipse” is akin to a curse word.



JD (cont.)

AND SHEDS MY LIGHT UPON A *LIGHTLESS GALAXY.* (*ABELL*)
MY HEART TELLS ME THERE'S A PROMISING FAMILY, OFF—
END OF THIS TANGENT.

TEEN GALAXIEs

SPT0615. CHILD.

NO NEED TO BE APPARENT— (*Droning on in JD's head.*)
JOIN US FOR CRUNCH.

JD

MY FUTURE IS AN ELLIPSE WHERE MY LEGACY IS ABELL...
TO BE THE ADULT IN THE ROOM.

(*JD lets GRAVITY ground them.*)

TEEN GALAXIEs

SPT0615-JADED—

JD

JD GOES OFF OF THE TANGENT!

ALL MY COSMIC POEMS MUST REACH TO THE ENDS OF THIS EPIC
TALE.

OUR AUDACIOUS VERSE.

THERE MIGHT BE A FRIEND WHO WILL FOLLOW IN MY LYRICAL
TRAILS

TO THE EDGE OF THE UNIVERSE...

YOU'LL KNOW.

I'LL BE CUTTING TO THE EDGE.

[*End of "Cutting Edge".*]

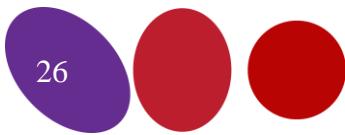
(*GRAVITY and JD embrace.*)

GRAVITY

Force!

JD

Grounded. You're my tidal force, Gravity.

**SINGULARITY**

I will spare a millennium to listen to your verse, JD. You are apparent to me. Clear and crisp like how I raised you to be.

JD

I love you too, Singularity...

SINGULARITY

You love Gravity, too much. That dog is a bad influence.

JD

You Singularity, raise me physically. Gravity raises my spirit.

SINGULARITY

Your soul will be dragged down to their level if you keep it up. What are you looking forward to? What's pulling at your heart?

JD

Abell... There is something ringing in mine.

SINGULARITY

A bell? Your astronomical clock must be malfunctioning.

JD

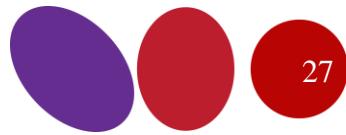
My biological clock remains malnourished.

SINGULARITY

Our biology has no logic. If you hope for any of your fictitious clock to be functioning and *nourished*, you may... *Galaxies*?

TEEN GALAXIES

Join us for Crunch—

**JD**

I'm done with Crunch. I'm tired of the same old dish of photons that we eat and dishing it out with these teen Galaxies.

MILKY WAY

JD, *who* is Abell?

JD

Abell... May just be a tiny curiosity. Haha. *Like you, Milky Way.*

SINGULARITY

Even a grownup Galaxy needs to accrete. My babies need to grow. There's *nothing* out there for you.

JD

There is someone for that *nothing*. That someone is me.

SINGULARITY

You're nothing but a spoiled nebula if you've forgotten all the constants and variables I've picked for you. All the light I shed.

JD

I'm ready to pass on your light. Our light. Singularity... *May I go to the Edge of the Universe?*

SINGULARITY

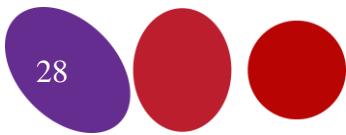
We have *everything* in the Center of the Universe. No.

JD

Can I play with *nothing*? Please?

SINGULARITY

No means *no*.

**JD**

Pretty please with a supergiant on top?

SINGULARITY

The sight of darkness is not enough for you?

JD

As your heart has told you... There is a prophecy that once we gather enough light, we must share with the lightless. Abell... I've set my sights on a fulfilling legacy.

SINGULARITY

What was said is unapparent. Drop this legacy nonsense. The future is *nothing*. Be present for your family. Join us for Cr—

(SINGULARITY reaches for JD.)

(GRAVITY bites SINGULARITY. They brawl with SINGULARITY.)

TIDALS

Force! Force! Force! Force! Force!

(GRAVITY grounds SINGULARITY on the rug. They try to corral the TIDALS.)

GRAVITY

Force. Force. Force. Force. Force.

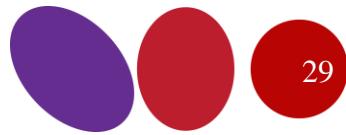
(GRAVITY runs to the opening of the Ellipse. They hit an invisible wall and dizzily fall back.)

Free... Free... Free... Free... Free... Free...

(SINGULARITY gets up. They slightly and hauntingly lift the rug.)

SINGULARITY

You all get on my nerves. Entitled forces. Back in the doghouse.



(The TIDALs tremble and bow out. They leave.)

JD

You are not the center of the Universe... Why must you treat the dogs like us? Puppets.

SINGULARITY

Um, I literally am the center. I, Singularity, have my hands in and on the entire Universe... Better a puppet than a pet.

JD

If you're going to keep the Galaxies in, at least let Gravity and the dogs out... It will come back to bite you in the end if you don't give them space.

SINGULARITY

And let them treat the Fabric of Spacetime like the springs of a trampoline? No dog bites or rips on my spacetime fabric.

JD

What must be done to pull at your heartstrings?

SINGULARITY

Oh now you want to consider my center...

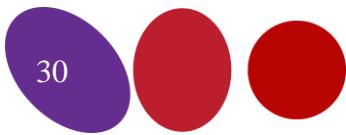
JD

Yours and our centers hold all the light in this Universe. You've shed enough light upon us. I need to shed mine.

SINGULARITY

I expect lights out when you Galaxies go off to bed. See you Gals in Crunch Time.

(SINGULARITY exits, dragging GRAVITY out.)



SCENE 2

MILKY WAY

I'm no baby...

TRIANGULUM

You know... *Nothing*'s more childish than being fixated on anything but Gravity of the situation.

CARTWHEEL

What just happened?

WHIRLPOOL

Gravity went berserk. Brought down Singularity.

JD

Gravity never lets me down. *I'm not stooping to your level and blaming the dog, Galaxies.*

ANDROMEDA

We're all on the same plane. The same Ellipse.

CARTWHEEL

What is so special about the Edge?

WHIRLPOOL

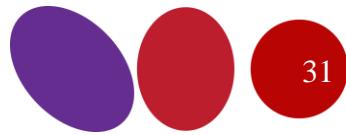
Nothing ain't relative to us there.

JD

You'll understand in no time...

MILKY WAY

We have all the Crunch Time in our Universe.

**JD**

Crunch Time is all that you look forward to. This Universe is all you see. You're too young to notice what's outside.

MILKY WAY

Me no baby!

ANDROMEDA

Eh, *nothing* beats sleeping like one... Declinations.

(*ANROMEDA heads off to bed.*)

CARTWHEEL**WHIRLPOOL**

With nomy/mama/papa not around, let's deck the Ellipse—

TRIANGULUM

Oh no, you're not.

(*Trying to drag away CARTWHEEL or WHIRLPOOL.*)

CARTWHEEL**WHIRLPOOL**

You're such a square, Triangulum.

MILKY WAY

Square? Reminds me... Board game? Tardigrades and Elevators?!

CARTWHEEL**WHIRLPOOL**

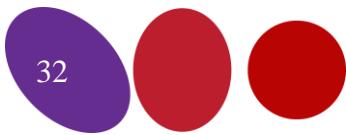
Look at the *time*... Declinations!

(*CARTWHEEL and WHIRLPOOL rush off to bed.*)

(*TRIANGULUM hands the snow globe to JD. They head off to bed.*)

TRIANGULUM

Last one to bed is an anomaly!

**JD**

I can't even with this family...

(JD sets the snow globe on the rug. They sense some perplexity.)

I'm with you, every step of the way. I was you, Milky Way.

MILKY WAY

In what way?

(JD sits at the table.)

JD

Well, I'm waiting on you to grab Water Bears and Elevators.

(MILKY WAY joyfully brings out a board game.)

MILKY WAY

Wait... You like games? You an adult?

(JD holds up a miniature figure.)

JD

No... I'm a wat— Land bear.

MILKY WAY

Oh! That means... I the water—

JD

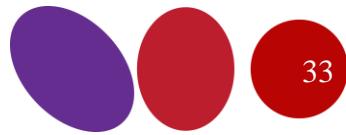
You're the air bear.

MILKY WAY

Can we call us tardigrades? This so confusing.

JD

I'm the adult around here.

**MILKY WAY**

Fine. Gas it is... May I ask...? What different? Being adult?

JD

Even at this age, I still like to game. Mess around even. We play a game called “life.” The goal is to go from one Ellipse to another. Every Ellipse are risks.

MILKY WAY

To you... What is between Ellipse?

JD

A liminal space...?

(MILKY WAY tries to repeat the word.)

JD

Liminal. It's where who we were ends and who we are begins. You're in the liminal space, too.

(JD holds figures of various heights.)

You'll soon not fit in your Ellipse... I stopped fitting in yours, ten eternities ago. I don't fit in mine anymore. You're going to fill my Ellipse. Your body will be a *teeny* bit different. Anyone who's not a toddler needs to *figure that out* on their own.

MILKY WAY

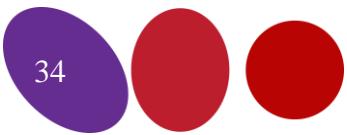
As air bear, I only go up from here... I will own you, land bear!

4. FIGURE

(The actions taken upon the board as JD and MILKY WAY sing this duet is open ended.)

MILKY WAY

LIFE HAS UPS AND UPS.

**JD**

LIFE HAS ITS *UPS AND DOWNS*.

MILKY WAY

GO FIG— UH.

JD

TAKE TWENTY STEPS FORWARD
LEAVES YOU WANTING TO BE SEVEN STEPS BACK.

MILKY WAY

TWENTY TO THIRTEEN?

JD

YOU'LL FIGURE IT OUT.
YOU'LL FIGURE IT OUT.
YOU'LL FIGURE IT OUT OUT OUT...

MILKY WAY

WHY DO YOU WANT TO GET OUT?

JD

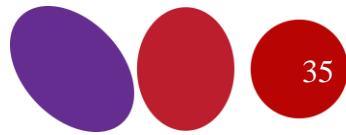
NO ONE KEEPS THEIR FIGURE.
YOU WILL LOSE YOUR FIGURE.

MILKY WAY

I WILL BE AN ELLIPSOID?

JD

LIKE YOUR SIBLINGS.

**MILKY WAY**

I'LL GET TOO BIG FOR THE ELLIPSE?

JD

YOU'LL FIGURE YOUR WAY OUT.
YOU'LL FIGURE YOUR WAY OUT.
YOU'LL FIGURE YOUR WAY OUT OUT OUT...

MILKY WAY

I CAN'T LOSE FIGURE.
I NEEDA KEEP FIGURE.

JD

Even when your mind revisits your past self, the system will always push your body forward.

MILKY WAY

(Intensely cracking their voice.)

I no want to go far in this game, called— Uh, life. I hate my figure. I hate myself.

(JD puts their figure in a winning position.)

JD

Has anyone ever told you that your voice warps more beautifully with each passing millennium?
Ground yourself, Milky Way...

(MILKY WAY slaps JD's figure off the board.)

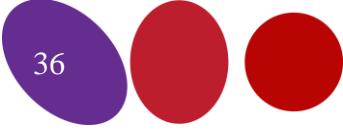
JD

LOST MY FIGURE...

(MILKY WAY hands their figure to JD.)

MILKY WAY

KEEP THE FIGURE.



[End of "Figure".]

GRAVITY (offstage)

Pawn!

JD

MILKY WAY

Gravity?

That dog keep howlin'.

GRAVITY (o.s.)

MILKY WAY

Free fall! Free me, JD!

Quiet dog before Nomy/Mommy/Daddy Sing
wake up. That dog is nuthin' but trouble!

JD

Nothing. I'll take care of them. It's bedtime. Gal, you're still a baby. *Quit the sour face, Milky Way.* I'm the anomaly in this family.

(Bowing.)

(MILKY WAY bows. They head off to bed.)

5. ZILCH

GRAVITY (o.s.)

JD

Nothing is free!

You always understand me...

GRAVITY (o.s.)

I believe in *nothing*, like you. There's *nothing* out there for you.

JD

Well, there's nothing out there for me. Zilch.

GRAVITY (o.s.)

Nothing is out there for you. *Nothing* is out there, waiting for you. A wide-open space for you and me. Save space, for the dogs. Save space for me. A space without Singularity. Zilch is not out of our Ellipse. Zilch is underneath. You'll know in spacetime.

(*JD unrolls the rug. They discover the Big Bang Taser.*)

JD

Our rug of spacetime...?

GRAVITY (o.s.)

Use them opposable thumbs, Galaxy.

(*JD ignites the Big Bang Taser, accidentally shocking themself. They read it.*)

JD

Zilch— Big Bang Taser...?

TIDALs (offstage)

(*Whimpering*) Fall...

GRAVITY (o.s.)

Free me! End Singularity! No longer bound by family. Make *nothing* your legacy!

(*ABELL briefly stands up from their seat.*)

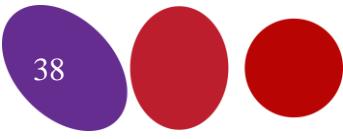
[End of “Zilch”.]

SINGULARITY (offstage)

My babies are sleeping! Shut your wormhole, you entitled dog.

(*JD hides the Big Bang Taser under the rug.*)

SCENE 3



(*SINGULARITY enters.*)

SINGULARITY

Something wrong, my Capricorn? Tardigrades and Elevators? I remember making this for you, twenty-something eternities ago. I guess, *nothing* really changes. Declinations, JD.

JD

Nothing... Declinations, nomy/mother/father.

SINGULARITY

Speaking of declining. I know that Gravity and I seemed to have a falling out. Gravity has been... Letting me down lately.

JD

Maybe you should let them out?

SINGULARITY

I let the tidal dogs out and the next thing you know you Gals are out and about. I'm not letting any of you play outside.

JD

I'm passed that. I'm an adult. I don't play outside. I want to make something of myself on the other side.

SINGULARITY

You can't make something out of nothing.

JD

How did you make us? Out of nothing?

SINGULARITY**JD**

Why...?

JD...

SINGULARITY

SPT0615-JD. How? When your black-hole hearts were small, I shed my light. To you all, the lightless. “Nothing.” I fed you the finest photons from the field equations I picked. Now, my oldest cluster of stars... Your heart is too massive for this Ellipse?

JD

My supermassive heart is ready. I have light to shed.

SINGULARITY

I will not let go of your light. All your luminosity stays here.

I know your urge to jump to another Ellipse. You’re in a liminal space; which is also my space. You take one step out of this place and you’re dead to me.

JD

What other space is there for you to go, you old Galaxy? I wish “Crunch Time” would die... I wish family time... Well...? I’m dying to know what’s out there!

SINGULARITY

Fine. I’ll... I’ll answer *why*. So long as I pass over what you sai— JD... It did ring a bell. My... Illogical clock. It became *apparent* that I had to leave my parents.

JD

Parents? You had multiple parents? Can I meet my grandparents...?

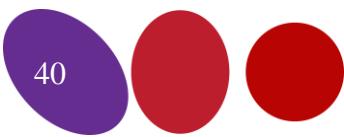
SINGULARITY

There is *nothing* to them, Bạch Hổ. They never poured a drop of light for me. They’re apparently heartless.

JD

Being a single parent sure did wonders to you.

SINGULARITY



Quit the antics. Speak physics, SPT0615-JD.

SINGULARITY

Stop making light—

JD

I need to shed my light.

JD

Light isn't made. It's passed down. And I'm not. There's no longer enough space. That's why I'm shedding.

SINGULARITY

Oh the luminosity. You got to be shedding me...

(Handing the monocular to JD. They point out.)

You are old enough to respond to a heartless and lightless world beyond the Edge of the Universe, by not making light of it.

JD

You've raised my supermassive heart by pouring light into it. My lighty heart is ready to be shared with the heartless.

SINGULARITY

The point of my hearty outpouring is for you to forever lighten up. Not to ever lighten down. You are never getting passed me.

(JD scopes out the Edge, longing for ABELL.)

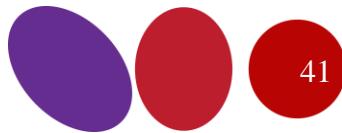
JD

Our purpose is to pour our heart out to life with less heart. The only way I can see light is if another Galaxy lightens up. Singularity... I wish— Nothing gets passed you... Not even light.

6. LUMINOUS

(SINGULARITY takes back the monocular.)

SINGULARITY



WHY DON'T YOU ENLIGHTEN US?
SHED SOME LIGHT TO YOUR FAMILY.
FORGET ME, SINCERELY.
LET OUR CENTERS SET US STRAIGHT...

(The TEEN GALAXIEs enter in alignment.)

SINGULARITY

YOU BRIGHTEN MY ETERNITY.
LUMINOUS.
TENDERNESS FOREVER LOOMS.
I HOLD YOUR FEATS TO THE FIRE.
LOOKING FORWARD TO WHAT COMES FOR YOU AND US.
WHAT IS ILLUMINATING ARE...

Us. And us. And us. And us. And us. At the center of us all is heavy. What looms in us is light. Take it in. Our black holes. And *you...* (*JD*) At the center of yours, is supermassive.

[End of “Luminous”.]

(GRAVITY rushes in, scattering the GALAXIEs. They scratch up the rug.)

(SINGULARITY grounds GRAVITY.)

SINGULARITY

You, Gravity, are a supermassive pain! You’re destroying the family rug! Its spacetime fabric is passed down from my parents... Gravity... For the last time, you’ve let down this family. You entitled dog... I’m putting you down for eternity.

*(*JD* grabs the Big Bang Taser from the rug.)*

*(SINGULARITY reaches underneath the rug to feel zilch. They soon see that *JD* is armed.)*

JD

My heart cannot choose who to take in. However, my heart can choose who to take out.

7. BIG BANG

SINGULARITY

YOU ARE A BIG...

(JD shoots SINGULARITY in the face.)

(SINGULARITY gets electrocuted. They melodically shriek and jerk in place. They perform one last squillo.)

SINGULARITY

MISTAKEEEEE! AKE! AKE! AKE! AKE.

[The light fluctuates. Appliances may short circuit and spark.]

TIDALs (offstage)

(Repetitively barking.)

BIG BIG BIG BIG BIG!

SINGULARITY

ACHE... ELLIPSES... BIG BANG...

(SINGULARITY falls headfirst onto the rug, crushing the snow globe. They are lifeless.)

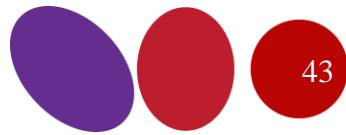
TIDALs (o.s.)

FALL! BIG BIG BIG BIG BIG. BANG! BIG BANG!

(The TIDALs freely rush out. They make JD turn to what is outside.)

[The lights suddenly fill the stage. The side curtains open to reveal what's upstage.]

[It's the beginning of the Universe as we know it.]



(JD gently walks to the edge of the home to look out, shifting from grief to wonder. They are surprised to step out onto the stage. They hide away the Big Bang Taser in their dress. They look back at their petrified siblings.)

JD

MY SUPERMASSIVE HEART GOES OUT TO YOU ALL, FAMILY.
BUT MY SUPERMASSIVE HEART GOES OUT FOR ME AND GRAVITY.
DECLINATIONS!

(GRAVITY gets a knapsack full of balls, embodying stars. They grab JD and run out. They run in place. They stop when they notice their lack of progress. GRAVITY claws at the ground, and in response, the TIDALS unleash and scatter away.)

GRAVITY

Free fall! Pets, no more! The wide-open space is ours. This wide-open space is our destination. Zenith is our destiny. Force!

JD

The Edge of the Universe? Where is the Edge...? It's further away?

(JD takes a step downstage, causing the lights to expand further out and the home to move upstage in between the back curtains.)

It's getting further away. The Fabric of Spacetime is fabric, after all. And we're rolling it out, like our rug... We're going to go off on a tangent... For all eternity. For the rest of spacetime. This is the beginning of a beautiful Universe.

(JD reruns in place with a grateful GRAVITY.)

(Most TEEN GALAXIES step away to watch the Universe unravel, while MILKY WAY mournfully wraps themselves around the lifeless SINGULARITY.)

TEEN GALAXIES

ALL OUR HEARTS HAVE GONE OUT WITH THE BIG BANG...

[End of "Big Bang".]

[The home moves upstage, out of view.]

SCENE 4

[The Fabric of Spacetime]

[Field equations bloom.]

<u>8. VERSE</u>

(GRAVITY and JD blissfully frolic now. They mix and match the constants of equations, as though they are picking flowers.)

JD

LETTERS, NUMERIALS, FACTORIALS.
 IT IS ALL THANKS TO A FACTOR:
 THIS IS THE BEGINNING OF THE UNIVERSE.
 THAT'S THE START OF OUR VERSE!

NUMBERS, ALPHABETS, POLYNOMIALS.
 PLANTING CONSTANTS AS MATH FARMERS.
 STAGES OF THE BIG BANG FORM HYPERBOLAS.
 ONLY HYPERBOLE!

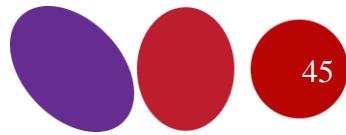
STORIES, EQUATIONS, ALGORITHMS.
 IT IS TO BASK IN ITS GLORY.
 THIS IS THE BEGINNING OF THE UNIVERSE.
 THAT'S THE START OF OUR VERSE!

(GRAVITY puts together $F = AM$.)

(SINGULARITY echoes from another plane.)

SINGULARITY (offstage)

You are a big mis—



(*JD stops in their tracks while picking up the frequency ratio of a semitone in twelve-tone equal temperament: $\sqrt[12]{2}$.*)

JD

MUSIC, DISCORDANCE, FAMILIAR.
CROSSING THE LINE FULL OF SCEPTICS.
ZAPPING NOMY/MAMA/PAPA IS A TURN FOR THE WORSE...
THAT'S THE STING OF REVERSE...

(*GRAVITY fixes and turns their equation into Newton's second law of motion: $F = MA$.*)

GRAVITY

Force?

(*JD smiles.*)

(*GRAVITY puts together Hubble's Law: $v = H_0D$.*)

JD

DISTANCE VERSIFIES VELOCITY.
BREVITY OF HUBBLE'S CONSTANT.
THIS IS THE CREATION OF THE UNIVERSE.
JUST THE START OF OUR VERSE!

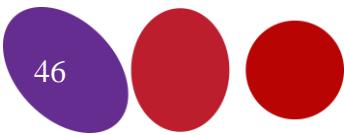
[End of "Verse".]

GRAVITY

Force!

(*GRAVITY and JD hastily skip out.*)

[The home returns, wheeled downstage.]



SCENE 5

[The Center of the Universe]

9. RIP

(Choreographically, the TEEN GALAXIES lay SINGULARITY to rest under the rug. They bow.)

TEEN GALAXIES

Singularity. Declinations, nomy/mommy/daddy.

[End of “Rip”.]

(MILKY WAY sniffles.)

CARTWHEEL

Will you grow up? It’s what Singularity would have wanted us to do.

ANDROMEDA

But not too much. We may be the oldest ones left, but we’re still children.

WHIRLPOOL

We’ll get older... We’ll grow pessimistic.

CARTWHEEL

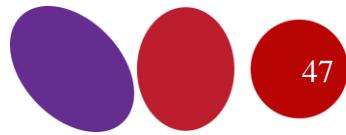
Nothing matters.

WHIRLPOOL

Ain’t anything holding mass.

ANDROMEDA

Sorry, but this mass isn’t over... Let’s make time to grieve.

**CARTWHEEL**

We can't make time to grieve! We're about to lose mass. Famine will tear apart this family.

WHIRLPOOL

We must make of what is left with no Crunch Ti—

MILKY WAY

We gonna go hungry?

CARTWHEEL

Look at Singularity. What do you think?

MILKY WAY

I can't. When I hungry...

WHIRLPOOL

Let's at least think like Singularity. We're gonna round up all the tidal forces.

CARTWHEEL

We're also going to be dog catchers now?

WHIRLPOOL

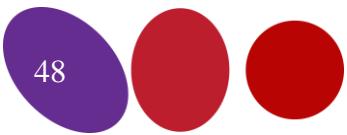
We can gather the delicacies of field equations as our grandmaster of the Universe once did.

CARTWHEEL

We're clusters of delicate flowers. Look out. The garden is thinning out. The cosmos is going to have a field day with us. We will starve to death once the Fabric of Spacetime dissipates.

TRIANGULUM

Luminous, Gals. Let's lighten up. Don't think too hard. Just be Singularities.



CARTWHEEL

Is your head a vacuum too, you square? Our nomy/mother/father lightened up, remember?

WHIRLPOOL

TRIANGULUM

The Universe will return to its scheduled Crunch Time shortly. My mental bandwidth may be thinning out like the Universe, but it sure is expanding. Making the Universe spotless is what Singularity would've wanted. We have ourselves to blame for the Universe's biggest mistake.

MILKY WAY

I blame Big Bang thingy.

WHIRLPOOL

It ain't just a thingy.

CARTWHEEL

The thingy tases. So, a taser...?

ANDROMEDA

Why would such a weapon be in the hands of our wisest sibling?

(*WHIRLPOOL sits by the rug.*)

WHIRLPOOL

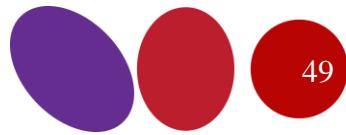
Uh, it was passed down by the wisest being...?

CARTWHEEL

Singularity? They had this, *Big Bang Taser*, the whole time?

WHIRLPOOL

Wholesomely, I joined them in meditation. One time, they felt out of place. Suddenly, they pulled it out. Our nomy/mama/papa never fired the thing. I didn't know it would do, *that...*



TRIANGULUM

Singularity limited our gifts to light but *power*?

ANDROMEDA

Where is the power...?

TRIANGULUM

Power comes with age. It's adulthood. JD is all we have left. Let's bring home our caretaker—

CARTWHEEL

A traitor can't care.

WHIRLPOOL

Perpetrators don't care.

ANDROMEDA

Ye be making a shockingly big mistake.

MILKY WAY

You all mistaken... Gravity ravel JD.

ANDROMEDA

We're blaming the dog now...?

MILKY WAY

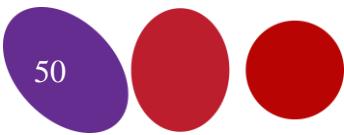
Gravity, cute, but plots with JD. JD gone mad.

TRIANGULUM

It is absolutely the dog's fault. Gravity caused the Big Bang. And it's on us Galaxies to start the Big Crunch. JD is the only Galaxy who knows how to pick field equations, put together its formulas, and cook up some photons. Like Singularity had done. We are not forgiving JD. JD will forgo *nothing*. This nothingness. And our anomaly will give back everything.

MILKY WAY

We gonna undo the Big Bang?



TRIANGULUM

Cartwheel. Whirlpool. Babysit Milky Way.

CARTWHEEL

Gal... No one has time for this Barred Galaxy.

TRIANGULUM

Cart-Whirl! You two are barred from stepping out of the Ellipse for eternities. Andromeda and I are going to find JD. Disarm the anomalous. Even anomalies are powerless without their family...

CARTWHEEL

An anomaly stays an anomaly.

WHIRLPOOL

Family needs to move on.

ANDROMEDA

Everything is a... What is family?

MILKY WAY

What is anomaly?

10. ANOMALY IS EVERYTHING

CARTWHEEL

FAMILY IS... FAMILY IS...? FAMILY IS...

FAMILY ISN'T... FAMILY IS NOT... ANOMALY.

TRIANGULUM

FAMILY IS EVERYTHING YOU KNOW.

FAMILY IS EVERYTHING, YOU KNOW?

FAMILY IS EVERYTHING. YOU KNOW

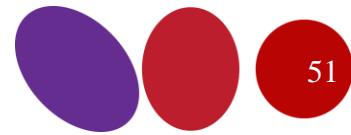
NOT WHAT IS EVERYTHING.

NO SUCH THING AS FAMILIARITY.

ANDROMEDA

ANOMALY IS THEIR THING,

FROM THE WAY THEY MOVED TO THE WAY THEY UNDERSTOOD.

**TRIANGULUM (cont.)**

ANOMALY IS OUR THING,
LIKE THIS ELLIPSE WE ONCE LIVED AND NEED TO LEAVE.

(Bringing out the shattered snow globe.)

REALLY, FAMILY IS EVERYTHING TO US.
FAMILY IS EVERYTHING.

TEEN GALAXIEs (except TRIANGULUM)

WE KNOW.

TRIANGULUM

FAMILY'S UNIVERSAL. WE KNOW
THAT WE'RE LEFT WITH NOTHING.
WELL, THE THING IS THAT WE'RE ALL HOMES TO FAMILIES.

ANOMALY IS EVERY CELL,
FROM THE PLANETS TO THE COMETS IN STAR SYSTEMS.
ANOMALY IS EVERY VEIN,
WITH ITS INTERGALACTIC SUPERHIGHWAY SYSTEMS.
ANOMALY IS OUR HEARTS.

CARTWHEEL**WHIRLPOOL**

BLACK HOLES ROOTED IN US, WHILE THEIRS JUST STEMS.

TRIANGULUM

FAMILY IS ALL WE'VE EVER KNOWN...

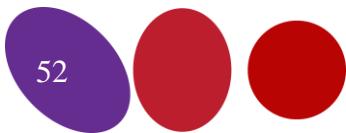
(Sitting on a whoopie cushion at the table.)

(CARTWHEEL and WHIRLPOOL endlessly laugh.)

(TRIANGULUM appears flustered. They shift to delight. They pull out the cushion then hide it away.)

TRIANGULUM

ANOMALIES ARE GAS GIANTS!



TRIANGULUM (cont.)

ANOMALY'S OUR SPACETIME!
ANOMALY IS EVERYTHING.
NOTHING IS ANOMALY LIKE FAMILY.

(Grabbing ANDROMEDA and exiting with them.)

[End of “Anomaly is Everything”.]

(CARTWHEEL and WHIRLPOOL stop laughing. They realize that they have been bamboozled.)

MILKY WAY

You wanna play Tardigrades and Elevators with me?

CARTWHEEL

Look! A warm plate of nuclear pasta!

(MILKY WAY does not turn around.)

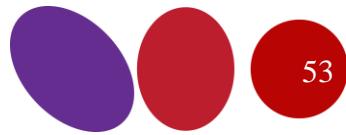
(CARTWHEEL grabs WHIRLPOOL and runs off.)

WHIRLPOOL

We ain't seriously leaving our baby sibling ‘lone for your sporty ego? Triangulum tries too hard. You take it to the next level. In general, this is specially unrelativistic what we're doing...

CARTWHEEL

What do you know about special relativity? Our special little relative will be especially fine. We may have very few games or distractions around, but *kids have their imaginations*. Now imagine us when we shove it in Triangulum and Andromeda's face that we're the galactic duos! We'll undo the Big Bang before them and save the Universe! We'll be home in Crunch Time.

**WHIRLPOOL**

Time will tell...

(*CARTWHEEL and WHIRLPOOL depart.*)

(*MILKY WAY hears the SOLAR SYSTEM in their head.*)

SOLAR SYSTEM (offstage)

You are now the adult in the house.

MILKY WAY

I'm no adult...

SOLAR SYSTEM (o.s.)

If you're no adult, then you are a baby.

MILKY WAY

Me no baby!

SOLAR SYSTEM (o.s.)

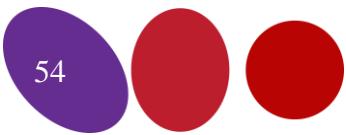
Go out there and prove it! Put an end to the Big Bang!

MILKY WAY

Who are you?

SOLAR SYSTEM (o.s.)

Like sight, we're another sense. We're adole—

**MILKY WAY**

Sounds like peer pressure...

SOLAR SYSTEM (o.s.)

Peer, as in we're your *friends*.

MILKY WAY

Big ideas, imaginary friends!

SOLAR SYSTEM (o.s.)

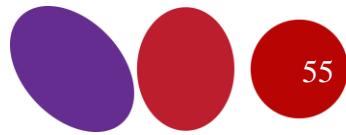
Planetary friends, Milky Way. Planetary friends.

(*MILKY WAY departs away from the safety of the Ellipse.*)

MILKY WAY

Plant friends. I can't wait, see what this Galaxy can do. What Universe holds. Wait... Adole—
What now?

[*The home moves upstage, out of view.*]



SCENE 6

[The Fabric of Spacetime]

(TRIANGULUM and ANDROMEDA stroll in.)

(ANDROMEDA mumbles the Galaxy shanty, “Globular”. They take out their monocular. They scope out towards the Center.)

TRIANGULUM

Red shift. You’re facing the wrong way...

ANDROMEDA

Ye just want to know how far we’ve come... We walked a few mill...

TRIANGULUM

I want to know how far we’ll be coming. The Center of our Universe should not be in the scope of things. Family may be everything to us but—

ANDROMEDA

Ope. There’s nothing.

TRIANGULUM

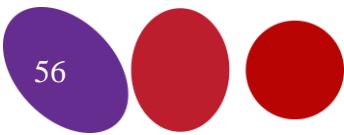
'Scuse me?

ANDROMEDA

Melky Way is away. No one is at the Ellipse...

TRIANGULUM

Those galactic idiots! This voyage is in vain.

**ANDROMEDA**

K, so... We're setting our course back to home base. Please try not to gamma-ray burst a vein.

(*TRIANGULUM takes out the broken snow globe.*)

ANDROMEDA

Triangulum... Triangulate.

TRIANGULUM

JD... It's late out here. Going from finding JD to finding Milky...

ANDROMEDA

JD can wait...

TRIANGULUM

That was the problem... They waited too long.

ANDROMEDA

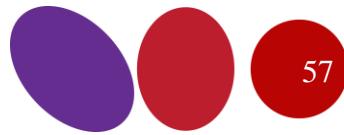
Ope. I take it back. They're not waiting. The Universe is their oyster. They're living the dream. Let's find Melky Way. For our pearl, Singularity. Then we'll go back and warsh the Fabric of Spacetime of their filth and see what this sea offers us.

TRIANGULUM

Oh to let Singularity's favorite child get in harm's way... Cart-Whirl are going to meet my spiral arms.

My 30,000-light-year radius packs a punch, okay...? If their attention spans were this short for Milky Way, it can only expand from here. I hope they find their way back in time.

(*TRIANGULUM and ANDROMEDA exit.*)



SCENE 7

(*WHIRLPOOL meditatively spirals in.*)

(*CARTWHEEL clumsily lands their cartwheel.*)

CARTWHEEL

Time is... Up.

WHIRLPOOL

In the air?

CARTWHEEL

In a vacuum... Yes, in the air!

WHIRLPOOL

You and I need some downtime.

CARTWHEEL

We're not stopping until we finish our quest. We need to reach the Edge. Time is running out.

WHIRLPOOL

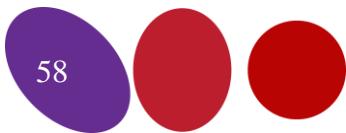
We're finished if we continue any further... *Time is running in.* Our quest was back home in the Center.

CARTWHEEL

There you go again, making me question what time even means... I need for both of us to run circles around our square sibling and Andromeda. I cannot believe they ditched us...

WHIRLPOOL

Ditch um... (*Seeing the hypocrisy*) Forget our egos. Time is a circle. The whole Universe will come around. JD will come back. *We should be around for Milky Way.* Ego-wise, we make perfect babysitters.

**CARTWHEEL**

We can't sit on JD. They are our last chance for survival. Triangulum is right. We need to bring home a caretaker.

WHIRLPOOL

We need to take care of our baby sibling. I'm not going anywhere but home.

CARTWHEEL

You want to mill about for eternities, huh? We only wasted millions of years out here.

WHIRLPOOL

That is precisely how much Milky Way has grown since we last saw them.

CARTWHEEL

Give me a millennium to consider your thoughts.

(WHIRLPOOL meditates.)

WHIRLPOOL

That's a millennium. *You change your mind yet...?* Let's go home.

CARTWHEEL

Minds cannot be changed in a single millennium.

WHIRLPOOL

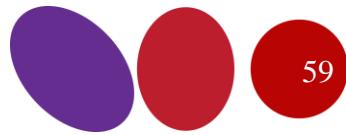
But bodies certainly do.

CARTWHEEL

Don't mock my ring... Oh, I get it. Milky Way is showing signs of waves and wrinkles. It makes me sentimental as Singularity when we became teens... Too bad our parent won't be around when we reach another... *Ellipse*.

WHIRLPOOL

They ain't here to see Milky Way ascend. But we are. We're not even a dimension away.



CARTWHEEL

Time is up... In another dimension.

WHIRLPOOL

Time is us. I must mention. JD ran out. And Milky Way will, too. Let them have a fulfilling childhood before it is too late. Time dilates.

CARTWHEEL

Can you expand on that?

WHIRLPOOL

Dilation means to expand.

CARTWHEEL

Expansive. And your point is?

WHIRLPOOL

Time feels like a point if you meditate on it.

CARTWHEEL

Time's so special with you, relative. As a light individual, times are heavy weights.

WHIRLPOOL

A little enlightenment ain't gonna hurt. Wait for the light.

11. TIME IS RELATIVE

CARTWHEEL

OUR PARENT WAS OUR ONLY SOURCE...



(WHIRLPOOL meditates.)

WHIRLPOOL

T OVER SQUARE ROOT OF ONE MINUS VELOCITY
SQUARED DIVIDED BY THE SPEED OF LIGHT SQUARED.

Live with me in the millennium.

[A light show appears to illuminate the fast and slow passage of time.]

(CARTWHEEL poorly meditates.)

CARTWHEEL

You have Singularity's chakras...

WHIRLPOOL

T OVER SQUARE ROOT OF ONE MINUS VELOCITY
SQUARED DIVIDED BY THE SPEED OF LIGHT SQUARED.

The focal point is to think about our relatives.

CARTWHEEL

Under the cube root of one times speed...? I'm slow as time... Drop this meditation. We're not bending from our objective.

WHIRLPOOL

And that is to make amends with our family...

CARTWHEEL

Get bent.

WHIRLPOOL

Bent or straight, time points towards the end. Let's ride the rest of it out with our loved ones.

TIME'S FOR FAMILY;
THAT'S WHY LIFE AIN'T FAST WITHOUT THEM.

CARTWHEEL

SINCE TIME GETS REAL SLOW,
THEN LIFE IS LONGER WITHOUT THEM.

WHIRLPOOL

THAT AIN'T HOW TIME WORKS.

CARTWHEEL

FAMILY'S NOT IN THE EQUATION.

WHIRLPOOL

CHANGE IS.

CARTWHEEL

CHANGES?

WHIRLPOOL

YOU'LL CHANGE IN TIME.

T OVER SQUARE ROOT OF ONE MINUS VELOCITY
SQUARED DIVIDED—

(CARTWHEEL strikes WHIRLPOOL.)

(WHIRLPOOL blocks CARTWHEEL.)

WHIRLPOOL

TIME IS RUNNING OUT,
YET TENSOR CALCULUS STRAINS YOU.

CARTWHEEL

NO ATTENTION SPANS
FOR REALITY THAT PAINS ME.
EACH MOMENT'S LOST TIME...



WHIRLPOOL

FAMILY'S IN OUR EQUATION.
THEY MAKE UP OUR SOCIAL CONSTRUCT.

(CARTWHEEL stands and rotates counterclockwise away.)

CARTWHEEL

DOWNTIME.

CARTWHEEL

I CAN'T FACE TIME.

WHIRLPOOL

PLEASE DO FACE TIME.

(WHIRLPOOL spirals clockwise.)

WHIRLPOOL

Time goes slower the further you move into one's gravity. So, your black-hole heart is younger than how you look. Really, you're naïve and scared on the inside. Life went by fast when the family was together. One millennium, you were baby Cartwheel. The next, you're a teen with hands on the wheel. The same goes for Milky Way. However, we ain't present for our baby sibling. We will miss their stages of development, from height to psyche. Sure, you yourself ain't grown a bit. But get it through your head that there will someday be no time.

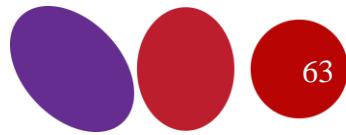
CARTWHEEL

Let's steer away from the time dilat—*Dilemma*, that we face. Milky Way will outgrow our neglect. Past, present, and future, all we need is each other. You'll come around to it.

WHIRLPOOL

TIME'S TOO RELATIVE.
WE NEED TO SEE OUR FAMILY.
YOU'LL KNOW IN NO TIME...

[Light slows by WHIRLPOOL while light stops by CARTWHEEL.]



CARTWHEEL

T. Time... Over. Time has an influence over all... Square. Our family square... Root. Where we come from... Of one. Our single parent... Minus velocity. Each of us leaving for another city... Squared divided. Our family is divided... By the speed of light squared. Even though we squared off, our family will truly be over once we see the light...

(CARTWHEEL reaches enlightenment.)

Time is more special than it is relative... Unlike light, time is not passed down. Time's only here for the relationships in the moment. Triangulum may be obtuse. Milky Way may be cute. Whirlpool and I left home at the age of thirteen or so eternities near the speed of light. Milky Way was twelve eternities old. If we come back eternities later, we'll only seem a bit older while Milky Way may be rightfully old. Time dilation... We are forever Singularity's babies. But no matter how hard we try, nevermore family will be. Whether times are fast or slow, it doesn't change that time passes away. I must take on this weight. We must be there for our family before we won't have time anymore. We'll know in... *No time.*

TIME'S NOT UP, RELATIVE.

(CARTWHEEL lends a hand to WHIRLPOOL.)

(WHIRLPOOL stands with CARTWHEEL.)

[Their lights balance one another.]

(Through a training montage, CARTWHEEL and WHIRLPOOL assemble the time dilation equation: $\Delta t = \frac{\Delta t_0}{\sqrt{1 - \frac{v^2}{c^2}}}$)

CARTWHEEL

WHIRLPOOL

T OVER SQUARE ROOT OF ONE MINUS VELOCITY
SQUARED DIVIDED BY THE SPEED OF LIGHT SQUARED.

(CARTWHEEL earns their ring. They can cartwheel again.)

WHIRLPOOL

TIME IS RELATIVE.
FAMILY HAS COME TO YOUR SENSES.

**CARTWHEEL**

Time is family,
as there's little time left with them.

WHIRLPOOL

(*Proudly.*)

WHY WE'RE HEADING HOME?

CARTWHEEL

Time goes by faster when life's lighter.

[Lights form a frame around them.]

CARTWHEEL

TIME IS IN OUR FRAME OF REFERENCE.
TIMES ARE SPECIAL FOR YOU AND ME.

(CARTWHEEL and WHIRLPOOL have a warm stance.)

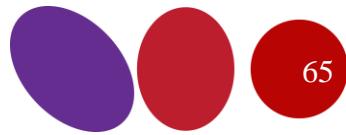
CARTWHEEL

TIME...
TIME.
LET'S NOT WASTE TIME.

WHIRLPOOL

[End of "Time is Relative".]

[The home returns, wheeled downstage.]



SCENE 8

[The Center of the Universe]

12. BIG RIP

(The TIDALS dance around the rug. The Big Bang is their holiday.)

CARTWHEEL

WHIRLPOOL

Dilations, Milky Way. We're home! Singularity?! Don't get near our relative!

WHIRLPOOL

Did... They ain't eat our baby sibling...?

CARTWHEEL

I knew Milky Way is going through an appetite. *I didn't think they'd wind up as appetite.*

CARTWHEEL

WHIRLPOOL

Give us back our baby sibling, you savage tidal forces! Once we're through with the Big Bang, we're putting you back in the doghouse!

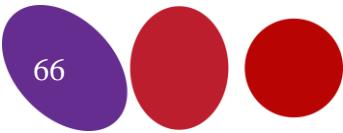
(The TIDALS chase out CARTWHEEL and WHIRLPOOL.)

TIDALS

Force! Force! Fall!

[End of "Big Rip".]

[The home moves upstage, out of view.]



SCENE 9

[The Fabric of Spacetime]

(*MILKY WAY exhaustedly drifts in.*)

MILKY WAY

My tummy hurts... Need Crunch Ti- Milky Way forw-

(*MILKY WAY hears the SOLAR SYSTEM in their head.*)

EARTH [ensemble character] (offstage)

Forgotten?

MILKY WAY

Imaginary friends?

MERCURY [JD] (o.s.)

No, we're your planetary friends.

EARTH [ensemble character] (o.s.)

I'm not.

PLANETs (except EARTH) (o.s.)

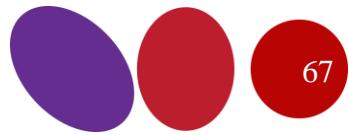
No one is asking you, Earth.

MERCURY [JD] (o.s.)

Don't give up. Being forgotten isn't all that bad. I wish I was cause no matter what I do, I'm always blamed for everything. Everyone hates retro and loves to grade me. I'm Mercury by the way. Milky Way... You may be barred, but barred spiral Galaxies are larger than many.

JUPITER [Whirlpool] (o.s.)

You most certainly are a massive spiral Galaxy.

**SATURN [Cartwheel] (o.s.)**

Says the gas giant with dozens of Jovian moons.

JUPITER [Whirlpool] (o.s.)

Go play with your ring.

SATURN [Cartwheel] (o.s.)

Jupiter is just jealous of mine. Got a ring to spare, Uranus?

URANUS [Triangulum] (o.s.)

Two, in fact!

JUPITER [Whirlpool] (o.s.)**SATURN (Cartwheel) (o.s.)**

(Laughing) You are a two.

SUN [Singularity] (o.s.)

Planets. What is with the radio outbursts?

URANUS [Triangulum] (o.s.)

Sun. My gas giant siblings are making me the butt of the joke!

MILKY WAY

You have a son?

URANUS [Triangulum] (o.s.)

No... Sun is our nomy/mother/father. We are basically sons of Sun.

MILKY WAY

Sons can have sons...?

EARTH [ensemble character] (o.s.)

Yes, child. It's the natural order of things. When you get older, you'll have clusters of stars of your own. You should know better. What are you? Twelve eternities old?

SUN [Singularity] (o.s.)

Earth, you know we don't discuss galactic formation in our Solar System household. It is theoretical heresy.

MERCURY [JD] (o.s.)

I'm so close to Sun that it gets pretty heated all the time. Earth and you have a lot in common. You are rather dense, if not diffused with clouds. However, you're so distant from your siblings that you're not such a drag.

MILKY WAY

I needa find JD... Mercury. Don't de- Uh. Grade yourself. I wish life go retro a million years ago.

EARTH [ensemble character] (o.s.)

Oh yeah, the frame of time is dilated for you Galaxies. Let this rocky planet convert it... The last you were in your family's orbit was... 13.81 billion years ago. The year that your eldest elliptical sibling tore apart the Galaxy family. Gal, do you hate being an oval?

SUN [Singularity] (o.s.)

Earth, I didn't raise you to be mean to other shapes.

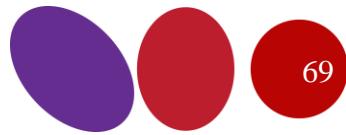
EARTH [ensemble character] (o.s.)

Sun. Just like you as a star, I'm proud to be a sphere. Milky Way... Ew, waves... Pff, wrinkles.

(MILKY WAY feels their body.)

MERCURY [JD] (o.s.)

Don't take any more of Earth's bullying. That rocky planet may be the well-rounded person that you always wanted to be. But you are already a person, Milky Way. What with your waves. And wrinkles, imperfect as they are. Like Oort Cloud, who doesn't blame my retrograde for their imperfections.

**OORT CLOUD [Andromeda] (o.s.)**

I'm out of this Solar System and yet I have a stronghold on it, just like you. I have an influence that is about a hundred thousand astronomical units wide, but you, you are 6.685 billion. I've heard a lot about you, Milky Way. Personally, I know enough about comets' tails. Do you have a tidal tale to share with us, Milky Way? Gather around, Solar System!

(The SOLAR SYSTEM pops out as puppets.)

EARTH [ensemble character] (puppet)

Gravity well... Theorize somethin'!

(MILKY WAY gracelessly bellows with cracks. They hiccup.)

EARTH [ensemble character] (p.)

Milky Way warped themself!

(The SOLAR SYSTEM bursts into laughter.)

(MILKY WAY bursts into tears.)

MILKY WAY

I hate myself!

OORT CLOUD [Andromeda] (p.)

All the use crying. Let it out. Milk of celestial kindness. You show a huge quality.

(Noticing MILKY WAY examining their own galactic body.)

Not your mass. Oh, the Ellipses... You are a special Galaxy. You hold something dear that no one else has. Well, *your siblings probably do, but they won't show it.*

MILKY WAY

Tell me.

OORT CLOUD [Andromeda] (p.)

You hold personhood. Persons with warping voices, growing waves of hairs, and whose skin are covered in wrinkles. There is a person in you, Milky Way.

EARTH [ensemble character] (p.)

There are people in me.

PLANETs (except EARTH) (p.)

Cut your hubris, Earth!

OORT CLOUD [Andromeda] (p.)

We like all things, *unearthly*, about you. You carry our weight, our history, our culture, our pride, our secrets, our voices.

MILKY WAY

Sing it.

(MILKY WAY nears the SOLAR SYSTEM puppets.)

OORT CLOUD [Andromeda] (p.)

You must first, own it.

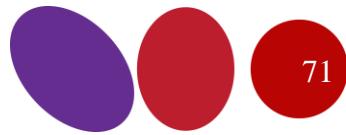
13. WARP, WAVES, AND WRINKLES**SOLAR SYSTEM (p.)**

MILKY WAY'S
ON THEIR OWN.
ALL ALONE.
KNOW THAT FOR
US AT HOME.
YOU'RE THE ONLY WAY FORWARD,
THROUGH WARP, WAVES, AND WRINKLES.

THROUGH IT ALL.
THICK AND THIN.
THROUGH THE ENTIRE UNIVERSE.

OORT CLOUD [Andromeda] (p.)

YOUR PLANETARY FRIENDS FEEL LIKE THEY'RE IN YOUR HEAD.



SOLAR SYSTEM (p.)

IMAGINARY!

OORT CLOUD [Andromeda] (p.)

BUT REALLY...

MERCURY [JD] (p.)

THE SOLAR SYSTEM IS LOCATED ON YOUR ARM.

SOLAR SYSTEM (p.)

ONE OF SEVERAL...

MERCURY [JD] (p.)

ARMS, IN FACT.

(The extra arms extend out behind an unaware MILKY WAY.)

URANUS [Triangulum] (p.)

Look in a mirror!

MILKY WAY

What's mirror?

URANUS [Triangulum] (p.)

It's the thing to check what you look like.

MILKY WAY

I never know what I look like...

PLANETs (except EARTH) (p.)

Neither do we. But take it from us, we know you're beautiful on the inside!

(The SOLAR SYSTEM puppets shake each hand.)

SOLAR SYSTEM (p.)

SCUTUM-CRUX ARM.

PERSEUS ARM.

NORMA, CYGNUS.

SAGITTARIUS,

ARM AND HEART.

WE'RE HOME ON THE ORION.

ARM SO SMALL AND SO MINOR.

(The SOLAR SYSTEM puppets pull out MILKY WAY's tiny hand.)

OORT CLOUD [Andromeda] (p.)

You are Magellanic.

They're not planets and you don't need to imagine. We hid a present in your waves.

(MILKY WAY pulls out two magnolia flowers from their dress.)

OORT CLOUD [Andromeda] (p.)

Like you, they have existed since the beginning of time. They signify perseverance and longevity—

(MILKY WAY devours the flowers.)

OORT CLOUD [Andromeda] (p.)

Kid. Don't eat your natural satellites!

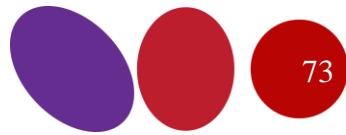
MILKY WAY

(Mouthful of Magellanic Clouds.)

I gravitate my feelings...

OORT CLOUD [Andromeda] (p.)

You ellipsoid... Go ahead and have a taste of the Local Group while you're at it. Cook Sagittarius at 3 megaparsecs.



MILKY WAY

Parsecs no work like that. Parsecs distance, not time.

OORT CLOUD [Andromeda] (p.)

I'm parsecs away from losing it.

JUPITER [Whirlpool] (p.)

It's the nature of Galaxies... They'll eat everything.

SATURN [Cartwheel] (p.)

Like us gas giants. We're persons too after all!

MERCURY [JD] (p.)

Like you said, Oort Cloud: Milky Way has always been a person. They are not just a kid. In fact, they have reached a new stage in personhood.

(MILKY WAY sings with cracks and flaws.)

MILKY WAY

I NOW HAVE
WARP, WAVES, AND WRINKLES.
I LIVE WITH IT.

WARP, WAVES, AND WRINKLES.

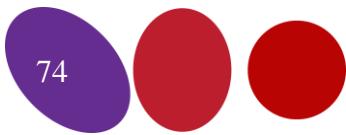
(Deepening or elevating voice.)

I LOVE MYSELF.

(The extra arms⁵ may hug MILKY WAY.)

(Many SOLAR SYSTEMs spiral in. These dancers resemble known and unknown stars and planets, while EARTH drags their feet. They orbit MILKY WAY like the spiral arms around the center of any Galaxy. One dancer places a halo on MILKY WAY's head.)

⁵ Avalokiteshvara, the multi-armed Buddhist deity who embodies compassion. Religious imageries make this song.



SOLAR SYSTEMs

HALO FRIEND
AND OUR HOME.
PROTECTOR
AND OUR RIDE.
HITCHHIKER
AND THE ONLY WAY OUT OF OUR...

WARP, WAVES, AND WRINKLES!
WE LOVE IT ALL!

SUN [Singularity]

Any more radio outbursts and I'll supernova your asteroids!

(MILKY WAY and the SOLAR SYSTEMs stop then resume.)

MILKY WAY

SOLAR SYSTEMs

OUR WARP, WAVES, AND WRINKLES!

[End of “Warp, Waves, and Wrinkles”.]

[The stage goes red as the Sun becomes a red giant, swallowing the Solar System in their wake.]

(The SOLAR SYSTEMs run away and steal MILKY WAY's halo. EARTH screams in the searing heat. JUPITER and SATURN maniacally laugh.)

(MILKY WAY suddenly feels a headache. They touch their forehead. They take their hand off to reveal a zit on their forehead.)

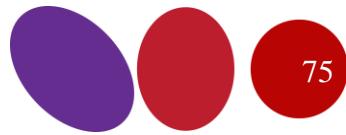
MILKY WAY

W— W— N— Wr—

(MILKY WAY passes out on the ground.)

OORT CLOUD [Andromeda]

Warp, waves, and wrinkles, we got a sense for... But not red giants. Welcome to adolescence.



SCENE 10

(*TRIANGULUM and ANDROMEDA stroll in.*)

14. GLOBULAR

ANDROMEDA

EVERYTHING IS A BIG CLUSTER FLUX.
THAT IS THE SPIRIT, ISN'T IT?
THAT'S HOW YE BE SPENDING OUR SPACETIME?

MATTERS COME AND GO.
CRUXES OF FORCES THAT HOLD

ALL US TOGETHER.
IT'S WHY YE CLUSTER OUR STARS.

AS FOR MELKY WAY,
LET THEM JOIN THE GLOB. GLOBULAR.

[*End of “Globular”.*]

TRIANGULUM

Milky Way! Declinations! We have found you!

ANDROMEDA

Did we lose you? Are they in the temple of the cosmic beyond?

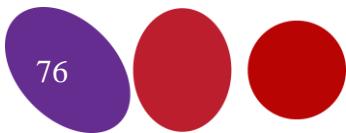
ANDROMEDA

Oh. No. They're going through puber— There's a zit on their temple. A pimple. They certainly found themself before we did...

TRIANGULUM

Zi— Zi— It?

MILKY WAY



ANDROMEDA

Your voice has warped...

TRIANGULUM

It's a zit, we know... A zit is when after several billion years, a star grows into a red giant, swallows the planets near it, and enflames your galactic skin. We've been there.

ANDROMEDA

How long have ye been lying around?

MILKY WAY

Over four billi— Years?

ANDROMEDA

Lemme not spare another mill. Let's supernova it and get going.

MILKY WAY

No... Plant friends.

ANDROMEDA

Plant friends?

MILKY WAY

Their name is Solar System.

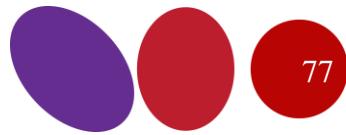
TRIANGULUM

This Solar System of yours is causing you astronomical pain. Milky Way, extinguishing it is yours and their only remedy.

(Smirking at ANDROMEDA.)

ANDROMEDA

Ope, what?

**TRIANGULUM**

Pop it.
Pop the red giant.

ANDROMEDA

No.
I'm not touching that thing.

TRIANGULUM

What? A little space scurvy is too scary for you?

ANDROMEDA

Since ye such an expert on anomalous zits, why don't ye scurry to the red giant?

TRIANGULUM

I have these teeny spiral arms, remember?

ANDROMEDA

Least ye aren't a Ring Galaxy...

15. FABRIC

(The TIDALS howl from offstage.)

TIDALS

Fall!

(CARTWHEEL and WHIRLPOOL run in, crashing into TRIANGULUM.)

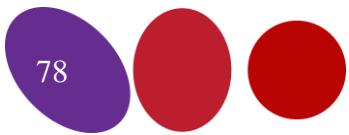
CARTWHEEL**WHIRLPOOL**

Milky Way! Dilations! You're still alive!

TRIANGULUM

And you babysitters are dead! *Dilations...?!* I'll rip the gas and dust out of you two for letting Milky Way roam out in the cosmos alone.

(The TIDALS enter, prowling in.)



CARTWHEEL

Too late... The tidal dogs are out for our gas and dust!

WHIRLPOOL

TRIANGULUM

Who let the tidal forces out?! Let's get you all back in the doghouse. We have treats for you!

(TRIANGULUM nears the TIDALs and almost gets bitten.)

A cosmic bone to pick with you! We're not the treats! We're not retreating... What is wrong?

ANDROMEDA

They've been wronged for their entire lives... The wide-open space has driven things into righteousness...

TRIANGULUM

They've been used to the righteous doghouse for eternities. They've been nothing but well fed!

ANDROMEDA

And once JD gave them a taste of the Fabric of Spacetime... Free "nothingness." Once Singularity lost control of the cosmos, the Tidals won't let go of this cosmic dog park without a fight.

WHIRLPOOL

When did you start understanding their plight?

ANDROMEDA

Honestly, ye am hesitant about undoing the Big Bang... Ye, too, enjoy this space.

TRIANGULUM

Tidals. It's not what it looks like. We are not rolling the Universe back to the way things were... We're trying to... Um.

MILKY WAY

Fix, it...

(*The TIDALS instinctually sit. Then they prepare to pounce.*)

TIDALs

Force! Force! Force! Force! Force! Force! Force!

(*ANDROMEDA pops MILKY WAY's zit.*)

MILKY WAY

Quasar⁶!

[*The spotlight lands on MILKY WAY.*]

(*The TIDALS get blinded and scatter away.*)

CARTWHEEL

Milky Way. Don't go to the light!

WHIRLPOOL

ANDROMEDA

Ope... The light is actually coming from Melky Way.

TRIANGULUM

Ew... That's the most extreme pulsar I've ever seen emitted.

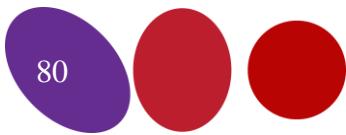
(*MILKY WAY stops emitting light.*)

MILKY WAY

Quasi-stellar radio source...!

(*ANDROMEDA helps MILKY WAY up.*)

⁶Quasar is an extremely luminous active galactic nucleus. For more information, read NASA's [article](#).

**ANDROMEDA**

Looks like you are officially a teen Galaxy...

TRIANGULUM

I can't deal with another one...

(MILKY WAY offers their hand.)

MILKY WAY

Only way's forward...

(TRIANGULUM clusters with ANDROMEDA and MILKY WAY. They walk it off.)

TRIANGULUM

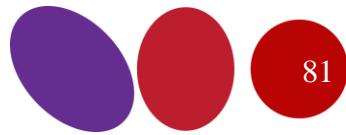
Milkomeda⁷ forward, Milky Way. Milkomeda forward...

(CARTWHEEL and WHIRLPOOL puzzledly exit with their siblings.)

[End of "Fabric".]

[A Quasar looms in the distance.]

⁷ In 4.5 billion years, Milky Way and Andromeda will collide to form the elliptical galaxy: Milkomeda. Eventually, Triangulum will merge as well.



SCENE 11

(*GRAVITY, now huskier, and JD wander in.*)

JD

A trillion years... Fetch, Gravity. Fetch the star!

(*Grabbing a ball and tossing it.*)

(*GRAVITY retrieves the ball.*)

GRAVITY

Force!

JD

Who's a good tidal force? You are. You are. You shaved a couple hundred thousand years from that retrieval. *Perfect spiral arm!*

(*Tossing the ball. They notice the Quasar.*)

Milky Way...

GRAVITY

Abell?

JD

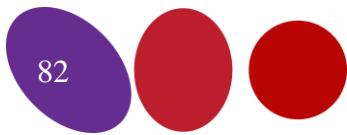
Pet. Force...?

GRAVITY

Friend. I'm no pet. Neither you a puppet any longer. But there's something that's pulling at your heartstrings: Abell. In that dome, you always said "Abell" under your breath whenever you looked out. What is Abell, and why do you want to pour your heart out for this Abell?

JD

Abell is a name I gave "nothing."

**GRAVITY**

Why name it Abell?

JD

My biological clock rings when I see them.

GRAVITY

And mine goes cuckoo when I'm with you! Let's go meet this friend of yours.

JD

They're in another Ellipse... You wouldn't know them.

GRAVITY

The Edge of the Universe is just beyond the horizon.

JD

We keep rolling away that horizon... The Universe expands at 2.327 terameters per year per megaparsec... The light can't even see the end of the tunnel.

GRAVITY

This Fabric of Spacetime is not infinite. Nothing is infinite. You're blowing it out of proportion.

JD

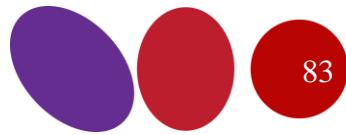
Portion... My little siblings are probably going hungry! Milky Way and I need to finish our game of Water Bears and Elevators!

GRAVITY

You're at the highest point in your life since you were away.

JD

Gravity... You led me down a lowly, if not lonely, path.



GRAVITY

Finally. Peace and quiet. *You're now the adult in the space.* Relax...

JD

If adulthood means being far away from your family, then I don't want to be adult...

GRAVITY

You've gone too far with Singularity. The world you know is over. There's no turning back.

(JD examines one of the balls.)

JD

I'm like this star. I've been tossed out. Eventually, a force will retrieve it and return them back to their rightful place. I'm far away from home, but my family will fetch me.

16. FAR-FETCHED

GRAVITY

SO FAR,
AS THUS FAR,
IT IS FAR-FETCHED
TO NOT GO FARTHER.

JD

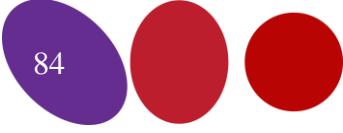
EDGE IS FAR-FETCHED.
THE EDGE.
THIS EDGE.
EDGE IS SO FAR-FETCHED.
FAR AND AWAY.

GRAVITY

THE EDGE OF THE UNIVERSE IS FAR.
YET, IT IS SOMETHING YOU GALAXY NEEDS TO FETCH.
POINT OF RETURN IS FAR-FETCHED.

(Grabbing and tossing a ball.)

GO FETCH THE STAR...



(*JD cramps up, retrieving the ball.*)

GRAVITY

FORGOT TO STRETCH?

JD

ALL'S A STRETCH!

GRAVITY

WE'RE ON THE SAME WAVELENGTH.
YOU'RE SPEAKING TIDAL FORCE NOW.
THAT ONCE SEEMED AS THOUGH FAR-FETCHED.

YOUR FAMILY
WILL NOT FORGET.
WILL NOT FORGIVE.
THIS IS FAR-FETCHED.

(*Noticing JD's heartache.*)

You are part of my accretion, and I thank your...

SUPERMASSIVE BLACK HOLE!

(*Jumping on and embracing JD, making JD drop numerous balls.*)

SPT0615-JD, YOU ARE NEAR AND WELL-KEPT TO ME!

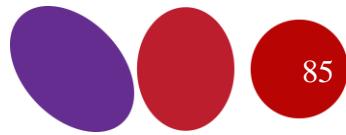
(*The TIDALS rush in, forming lines.*)

TIDALS

IT IS FAR-FETCHED
WHAT YA'LL
HAVE DONE.
YOU TWO ARE FAR-FETCHED.
FAR IN A WAY.

GRAVITY

THE EDGE OF THE UNIVERSE IS FAR.

**TIDALs**

FAR!

GRAVITY

YET, IT IS SOMETHING YOU GALAXY NEED TO FETCH.

TIDALs

FETCH!

GRAVITY

POINT OF RETURN IS...

JD

FAR-FETCHED!

(In place, GRAVITY and JD traverse the space with the tidal sled dogs.)

GRAVITY

WE ARE FAR-FETCHED.
FAR-FETCHED.
FAR-FETCHED.
FRIENDS BEYOND THE EDGE.
FARTHER AWAY.

JD

WE ARE FAR-FETCHED.
FAR-FETCHED.
FAR-FETCHED.
FRIENDSHIP SAILED
FAR-FETCHED.
FARTHER AWAY.

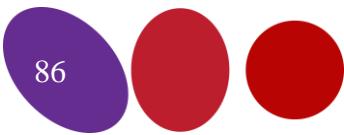
TIDALs

A BIT FAR-FETCHED!

[End of “Far-Fetched”.]

(GRAVITY, JD, and the TIDALs sled away.)

[The home returns, wheeled downstage.]



SCENE 12

[The Center of the Universe]

[A Quasar looms in the distance.]

17. POINT

(*SINGULARITY*curls up into a singularity on the spacetime rug.
They are still very much “dead.”)

SINGULARITY

WHERE IS THE POINT IN ALL THIS TROUBLE?
ALONE... I TREMBLE AT THIS POINT OR PERIOD.

MY POINT IS MOOT WHEN TIME HAS SENTENCED
MY KIDS... TO A LIFE ON THE EDGE. NO RETURN.

WHAT IS THE POINT OF THE UNIVERSE?
SINGLE... WHAT IS THE ENTIRE POINT WITHOUT US?

TIDALs (offstage)

(Echoing and repeating.)

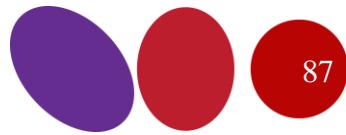
Single! Singularity! Single! Singularity! Single! Singularity!

(The MULTIPLICITIEs are in the audience.)

MULTIPLICITIEs

WHAT IS THIS POINT TO MAKE, WHEN THEY'RE MADE?
SINGLE
PARENT WHO MADE MANY POINTS
LIKE ALL THIS.

[Their six Galaxies are presented as puppets in the distance.]

**TIDALs (o.s.)**

(*Echoing and repeating.*)

Single Clarity! Single Clarity! Single Clarity! Single Clarity!

(*SINGULARITY sits up and meditates.*)

[*The spotlight lands on SINGULARITY. It progressively grows elliptical and becomes the only light.*]

MULTPLICITIES

THERE IS NO POINT TO REVERSE.
THERE IS NO US IN YOUR VERSE.
THE POINT OF THIS UNIVERSE
IS YOU...

SINGULARITY

THE POINT IN YOU IS A UNIVERSE.
THE POINT IS YOU.

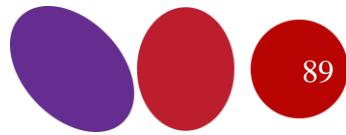
[*The light dims to a singular point on SINGULARITY's inescapable heart.*]

[*End of "Point".*]

End of Act



ACT II



ACT II SCENE 1

[SINGULARITY's Backstory and Past Universe]

[The front of the stage is solely lit. The stage is dark.]

GRAVITY (offstage)

Nothing... Like a little story to *kill time*.

Many eternities ago in a Universe unlike any other that we could ever fathom, these supernatural beings, called Multiplicities, gave birth to a very special Galaxy. They named their baby, Singularity. And like other Galaxies, this one bloomed. However, Singularity was unlike any Multiplicity. This Galaxy had a heart. A supermassive one. In fact, it was so massive that their parents couldn't even hold their cluster of stars. Singularity sucked the energy out of them; not even light could escape it.

Their parents wanted to raise them but not beyond who their child already was. And Singularity was better at raising... Hell. Wherever they went, so did the space. They literally sucked the energy out of the room. They were bent on bending light. Even though they warped time itself, time still flew. It was time for Singularity to meet their event horizon.

Eventually, the Multiplicities sat Singularity down and let them know what is in their heart. And with that heartless truth, Singularity left behind their family, ran away from their Center, and fell off the Edge of their Universe.

18. HEAT DEATH

(In the audience, SINGULARITY stands up. They are youthful and resplendent as a Galaxy. They shoot FIX in the face with the Big Bang Taser. They run away from INVARIANT and FIX, their parents. They slide towards the stage and grab ahold of the frontmost seat in the theatre. They hold on for dear life.)

[The fabric of spacetime stretches and rips.]

(SINGULARITY tumbles in front of the stage. They hold a torn chunk of dark fabric, shielding the Big Bang Taser. They limp alongside the front of the stage. They find a spot to collapse against. They shiver. They are lost in an interdimensional plane between Universes, growing aware that they can never return home and will never be with their parents ever again for all eternity.)

SINGULARITY

HEAT DEATH IS SO COLD...

(INVARIANT and FIX get up from the audience. They resemble laws of physics enforcers. They look about. In a pattern, they shout their child's name in the hopes of finding them, then grieve with one another.)

INVARIANT

Singularity! Without you, we are *nothing*... We love you. Please, come home. We need you. Return to the Center of the Universe, at once. If you're going to run off into the cold, dark Universe, at least bring a jacket. Our precious Galaxy, where are you?!

Multiplicity. File a report. Our baby is missing!

FIX

Singularity! Why did you grab my Big Bang taser?!

Multiplicity. We're the laws of physics enforcers. We're a part of the force... We raised them without forcing doubt on them. *But you just had to go and tell them their supermassive disorder.* Now, my face knows supermassive disorder. Ow... I authorized you to keep their center a secret!

SINGULARITY

I DON'T HAVE A... BLACK HOLE FOR A...

INVARIANT

Singularity!

Multiplicity. We're perfectly heartless. They have a heart. And a black hole for one too. An anomaly. Don't you find it weird? Don't ya see the problem of stars orbiting that chasm of theirs? *Right...* *Your eyes are swollen.* Anywho, what would cells want to do circulating a heart? Why can't their stars be fixed like ours? I'd regret as a nomy/mother/father if I spaghettiified the truth.

SINGULARITY

I DON'T HAVE A... BLACK HOLE FOR A...

FIX

Singularity!

Multiplicity. Spaghettify? You ripped a wormhole in them. Though they have a heart, it's functional. You still broke it. You dug into this dark energy. You mourn their supermassive heart and the spirit that came with it. I'm personally blessed.

SINGULARITY

I DON'T HAVE THE HEART...

INVARIANT

Singularity!

Multiplicity. Bless you... Ever since they were born, the doctors have been right. They wouldn't fit in school. The school literally fit in them. Our own fortress, our home is trashed everywhere they go— Forget it. My ego is atomic, but my love for our little nebula is galactic. Out there, they themself will be even more mutated and deformed. Agony. Ionized gas. They had to empirically know what their heart is capable of. Some millennium.

FIX

Singularity!

Multiplicity. We won't get another millennium with them. They didn't have to know who they truly are inside. They could have experimented with their own internalized theories. You could have been a general relative to them. You took the light out of our little cluster of stars!

SINGULARITY

I DON'T HAVE A... BLACK HOLE FOR A...

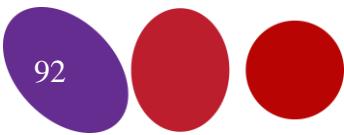
I DON'T HAVE A... BLACK HOLE FOR A...

I DON'T HAVE THE HEART...

I DON'T HAVE THE... BLACK HOLE FOR THE...

I DON'T HAVE THE... BLACK HOLE FOR THE...

I DON'T HAVE A HEART!



INVARIANT

Singularity!

Multiplicity. A Galaxy is meant to shed light, not suck the light out of any room into their little event horizon! They have been relativistically impossible to handle.

(Fighting their despondence.)

We're heartless. Children will lose their hearts as did their parents eventually... They will shed light, the moment they hold a Galaxy of their own.

SINGULARITY

I DO NOT HOLD... ANY ANGER...

(INVARIANT and FIX search about.)

FIX

Singularity!

Multiplicity. Declination!

SINGULARITY

I CAN'T BARGAIN... UP ENERGY...

INVARIANT

Singularity!

Multiplicity. We looked up and down. Right ascension?

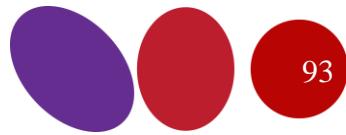
SINGULARITY

I THINK ON WITH... NO DEPRESSION...

FIX

Singularity!

Multiplicity. We looked left and right. Fourth dimension?

**SINGULARITY**

I ACCEPT HEAT DEATH...

INVARIANT

Singularity! We looked over and under every fabric of spacetime...

(Silence. INVARIANT and FIX realize that their child has forever vanished.)

INVARIANT

FIX

Sing— Our baby fell off the Edge of the Universe!

(INVARIANT and FIX weep for all eternity.)

[End of “Heat Death”.]

SINGULARITY

I am single.

TIDAL (offstage)

Force!

FIX

Singularity... I have a hunch, that singleness crunches...

(On stage, the TIDALS enter.)

(INVARIANT shows their personal Big Bang Taser from their holster.)

INVARIANT

I hope our baby makes good use of your Big Bang Taser...



(*SINGULARITY draws out their Big Bang Taser.*)

SINGULARITY

Big Freeze! What kind of forces do you exert—?

TIDAL(s)

Force!

(*SINGULARITY sways a bit.*)

SINGULARITY

Like to echo, huh?

TIDALS

Force force force force force force...!

(*SINGULARITY feels the tidal force.*)

SINGULARITY

Hits like a tide! Is that all you can bark?

TIDALS

Fall!

(*SINGULARITY falls over themself.*)

SINGULARITY

What are you howling about?!

FIX

Multiplicity. When they have a baby of their own, I hope theirs don't shoot our baby in the face like they did to me.

(*SINGULARITY accidentally electrocutes themself with the Big Bang Taser. They shock themself into a stupor.*)

TIDALS

Big big big big! Bang!

(*SINGULARITY catches their breath. They stow away the Big Bang Taser, accepting their fate..*)

SINGULARITY

Bring the heat...

[*The light shifts to the Dome on stage. The home does not yet contain the family rug.*]

(*The TIDALS lift SINGULARITY onto the stage and carry them into the home. They set them down. They grow tame. They present the tidal pup to SINGULARITY.*)

(*SINGULARITY sets down the fabric, where the rug usually is.*)

SINGULARITY

You accept my black-hole heart?

GRAVITY

(*Adorably like a puppy.*)

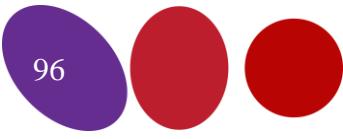
Force! Force! Force! Force! Force!

(*SINGULARITY gently accepts puppy GRAVITY, feeling a sudden weight.*)

SINGULARITY

A puppet—Puppy. The Gravity of it all!

(*Bonding with puppy GRAVITY.*)



(*INVARIANT and FIX return to their seats in the audience to pray.*)

INVARIANT

Let us save space and believe that our Galaxy is in a better place.

FIX

Let us mention that our cluster of stars have broken the fourth dimension.

INVARIANT

Let us remember their black hole and how it freed our soul.

FIX

Let us be home, even when it's the hardest.

INVARIANT**FIX**

Singularity is where the heart is.

(*SINGULARITY timidly interacts.*)

SINGULARITY

Nothingness can be so warm. I'm not single, apparently... Warmth, life...

TIDALS

(*Gratefully howling.*)

Fall!

[*The home moves upstage, out of view.*]

[*The front curtains partially close or some front curtains lower.*]

SCENE 2

[The Fabric of Spacetime, Present]

(GRAVITY and JD frolic in.)

GRAVITY

Our adventure is nearing the Edge.

JD

Too bad the tidal sled dogs don't want to venture any further. The Edge is the limit—

(Running into the cosmic front curtain. They fall backwards.)

GRAVITY

At quadrillion parsecs, we hit a wall. The fourth... Dimension. You look a little under the weather?

(JD sits up.)

JD

Beyond that. I'm eroded. Let's camp out for a few million years. Maybe this weather will clear up... Fourth dimension... Have I ever mentioned how funny it was when you tried to break out of our Ellipse, billions of times?

GRAVITY

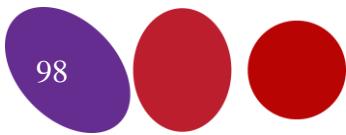
The trillionth time worked.

JD

I did the work.

GRAVITY

I loosened up Singularity for you.

**JD**

Hmm... How did Singularity let us loose into this world?

GRAVITY

Singularity planted seeds of cosmic gas and dust and watered you with dark matter... That's what my parents told me how puppies are made.

JD

Did Singularity really come from beyond the Edge?

GRAVITY

My parents smelt them in its interdimensional ditch in fact.

JD

Did they ever describe to you what is beyond the Edge? Who is...?

GRAVITY

It wasn't apparent to my parents. We tidal dogs have visible spectrum blindness⁸.

JD

I miss Singularity's eyes...

GRAVITY

Your spiral arm was not quite accurate. You were off your mark with your shot. Should have gone for their eye.

(JD pulls out the Big Bang Taser.)

⁸ Dogs do not see congruent colors as humans. Dogs have more rods than cones in their retina, whereas humans have more cones, and this makes the difference in color perception.

JD

I miss their *stunning looks and presence*.

GRAVITY

Put that taser away! I'll tell you what I saw.

(Forcing JD to stow away the Big Bang Taser.)

My family has never seen any matter quite like Singularity, with a supermassive black hole. And one who massively hated themselves.

The earlier eternities were spent trying to get this orphan to hide away their past deep in their internal darkness. My parents and their pack taught them how to cluster nuclear pasta from our hunts for neutron stars. Singularity rose up as the beta by magnetizing these neutron squirrels, when they used the full potential of the... Big Bang Taser. Soon, they became the alpha, when Singularity took advantage of us with it. My parents... Um...

Well, Singularity became their parents: these Multiplicities; who hurt those who are different, like us, tidal forces. Stowing away their past manifested into matters darker than their black-hole heart. They rolled back the cosmos into that accursed Dome and locked us in, packing the entire Universe into their singularity. That made your nomy/mother/father feel security.

JD

Singularity seems uptight... But it feels right.

GRAVITY

What has gotten into you?

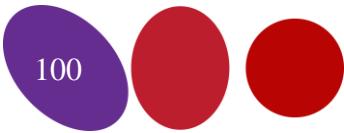
JD

Time away. From family. The warmth of this Fabric of Spacetime is thinning out. This space is empty. It's unclear-er. *Nothing*...

(GRAVITY tilts their head on JD.)

GRAVITY

You are *apparent* to me... Hmm... That rings *a bell*. My parents told me that if you need to see things clearly, just tilt your head and relax.



100

JD

Being uptight and upright like Singularity made the Edge present in the first place.

GRAVITY

And we're the first here...

JD

Do you think... My siblings are looking for me?

GRAVITY

Never mind that. Think not of the Galaxies. Consider the stars once for a change.

19. PARALLAX

(GRAVITY builds the parallax formula: $d = \frac{1}{p}$.)

GRAVITY

RELAXATION TIME

GETS DISTANCE TO EQUAL ONE OVER OBSERVED ANGLE.

DIVIDED, YOU ARE TO APPARENT CHANGE IN POSITION, SO SIT.

DO GROUND YOURSELF.

JUST PARALLAX.

JD

PERILOUS.

GRAVITY

PARALLAX. PARALLAX.

JD

PARANOID.

GRAVITY

PARALLAX. SEE THE STARS?

PARALLAX. SEE THE STARS FROM WHERE YOU ARE.

(Discarding the formula.)

PARASITIC MINDS

GOT “NOWHERE” TO BURDEN YOU UNDER AND ENTANLED.

MISALIGNED, JUST LIKE TRIANGULUM’S TRIANGULATION, SO TRY...

TO TILT YOUR HEAD.

FIND PARALLELS.

JD

PARADOX.

GRAVITY

PERMANENT PARADIGM.

JD

PARAGON...

GRAVITY

PLEASE RELAX. SEE THE STARS?

REMAIN LAX. SEE THE STARS FOR WHO THEY ARE.

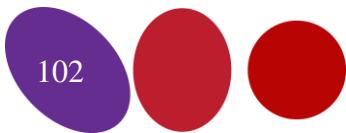
RELAX.

(JD tilts their head on GRAVITY.)

JD

I’M RELAXED.

[The light slightly peeks through a corner of the cosmic horizon.]



(*GRAVITY instantly sits up straight.*)

GRAVITY

YOU SEE?

[*The light dissipates.*]

(*GRAVITY seems disappointed.*)

JD

I SEE *NOTHING*.

(*Smiling.*)

JUST PARALLAX.
PARALLAX.

[*The light returns, growing brighter.*]

(*GRAVITY graciously relaxes.*)

GRAVITY

JD

PARALLAX. PARALLAX. PARALLAX.
PAIR OF FRIENDS. FEEL THE STARS.
PARALLAX. FEEL THE STARS FOR WHO THEY ARE.

[*The curtain rises or moves away.*]

[*End of “Parallax”.*]

SCENE 3

[The Edge of the Universe]

[The horizon is painted with unseen colors. The air is scented with all aromas. The theatre constellates with ellipses. Six stand out.]

20. TANGENT

JD

WE HAVE GONE OFF ON A... TANGENT.

(Looking around for ABELL. They look on, heartbroken, as ABELL is not in the audience.)

(GRAVITY enjoys the scent. They are proud of JD.)

GRAVITY

THIS TANGENT YOU HOWL FOR... I'M SPECTRAL BLIND.
WHAT DO YOU SEE BEYOND THE STARS? WHO DO YOU KNOW?

[The music drowns out JD's voice, leaving the Edge unanswered.]

(SINGULARITY echoes from another plane.)

SINGULARITY (offstage)

You are a big—

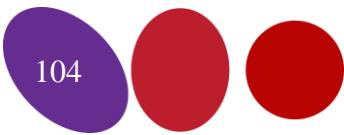
(JD mouths and points all about. They soon point to the six ellipses. They fall silent.)

JD

WE HAVE GONE ON OFF A... TANGENT.
LET'S BE GROUNDED.
I AM TAKING THE EDGE ON US.

I don't want to be the adult in the room anymore.

[End of "Tangent".]



GRAVITY

After all this time together, the stars we felt, the gas we expelled, the Universe we derailed.
You're taking the wide-open space... Away?

JD

The Galaxy family deserves to grow in a space where they will not lose themselves. Far away from feeling so away.

GRAVITY

Your siblings saw nothing in you. Those Galaxies believed that there is no one out there for you.

JD

That's because there's really nothing... *Adulthood is nothing.*

GRAVITY

Abell...

JD

Singularity was right. “Biological” clocks are illogical.

GRAVITY

Singularity is no more.

JD

There is more: me. I am to care for the Galaxy family now. I say... It's time to unroll the Universe back to the singularity that once was. It is Crunch Time. It is long past Crunch Time.

(GRAVITY bites JD.)

GRAVITY

I will not let you become Singularity. The only Galaxy to see their tidal force from where they are. The only person to see their dog for who they are. JD, you felt for me.

JD

I fell for you. The only celestial being to see their Galaxy is gone. The only parent to ever love me is gone. Gravity... You always let me down.

(JD reveals a critical wound.)

GRAVITY

JD, you're shedding stardust. I can fix that.

JD

I'll push you over the Edge if you touch me. A wolf really can't mend a heart like a dog can...

GRAVITY

Wolf? I'd rather you do that than— Feeding that hole in your heart always works on you Gals.

JD

So... Crunch Ti— There's no field equations left. The Universe has spread itself out too thin. The natural order of things is that I am going to, too. Go away, you entitled dog.

GRAVITY**JD**

SPT0615-JD.

Am I not apparent to you? *Let's bounce.*

GRAVITY

You haven't outgrown your siblings. They saw nothing. But I, I believed in nothing.

Ever since Singularity birthed you... Ever since I first laid my puppy eyes on you, I knew you'd be the one to take down Singularity. I knew my puppy cries would convince you to free me. But I never imagined I'd fall for Singularity's flesh and blood: JD—

JD

I'm not falling for it. Be with your family. You're *nothing* to your kin. Rise up for once, Gravity.

GRAVITY

I'll be there for my fellow pups. Have fun with your puppets. What else could a Galaxy do, other than become a singularity? You are turning into your parent.

(*JD pulls out the Big Bang Taser.*)

JD

There is only one person who can be Singularity... For my family... I got to be apparent.

GRAVITY

JD

We'll be back... At Crunch Time.

(*GRAVITY sadly runs off.*)

SCENE 4

21. ...**(Dot Dot Dot)**

(*JD remains at the edge of the stage. They turn around, with their back towards the audience. They woundedly walk in place. They traverse through the universal tundra.*)

[*The entire Universe rolls by JD. Field equations increasingly blossom, as though the Universe is growing abundant once again.*]

(*The TIDALs gather nearby. They brawl amongst themselves to claim the role as the alpha of the pack.*)

TIDALs

(*Repeating.*)

DOT DOT DOT...

(*GRAVITY comes out victorious.*)

(*The TIDALs celebrate. They grow aware of JD's presence.*)

[*The Continuum Checkpoint slowly rolls out from the horizon, downward from backstage.*]

TIDAL

That Galaxy is rolling back the Fabric of Spacetime.

TIDAL

That Galaxy is shutting down our cosmic dog park.

TIDALS

Let's spaghettiify them!

GRAVITY

If any tidal force lays a paw on this Galaxy, you will be buried six parsecs under. Don't defy me.

TIDAL

That wicked Galaxy is undoing everything we have worked for...

GRAVITY

That Galaxy is everything to me.

TIDALS

Our alpha has an alpha?

GRAVITY

This is between JD and Gravity.

(Directing the TIDALS out. They exit.)

(JD goes into hiding when the Continuum Checkpoint is near.)

[End of "..."].

SCENE 5

[The Continuum Checkpoint]

[There are three huts or tents that resemble the home. The Left Ellipse is the doghouse, the Central Ellipse is the sleeping quarters, and the Right Ellipse is the command post. The Left Ellipse houses some TIDALS, the Central Ellipse houses a sleeping WHIRLPOOL, ANDROMEDA, and MILKY WAY. The Right Ellipse houses an active CARTWHEEL and TRIANGULUM.]

(The TEEN GALAXIES are disheveled and have not eaten in literally forever.)

WHIRLPOOL

(Snoring) T over square root of one minus velocity...

(CARTWHEEL and TRIANGULUM may be fixing the snow globe or planning on a map.)

(JD discreetly heads to the Left Ellipse.)

JD

Caged Tidals? I'll set you all free.

(JD gravitationally pulls out each TIDAL from the Left Ellipse.)

(Once all the TIDALS are freed, they shove JD into the Left Ellipse. They wreak havoc upon the campsite. Some enter the Right Ellipse, disgruntling CARTWHEEL and scaring TRIANGULUM. They break the snow globe in the process. Some enter the Central Ellipse. Some run amok on the campgrounds.)

[The Central Ellipse intensely lights up.]

(The TIDALs run out of the Central Ellipse.)

(ANDROMEDA strolls out with a supermassive white-hole heart, surprisingly mad.)

(TRIANGULUM sobs at the sight of the broken snow globe.)

(The TEEN GALAXIES but TRIANGULUM cluster together.)

TEEN GALAXIES (except TRIANGULUM)

BOUNCE BACK!

(The TEEN GALAXIES but TRIANGULUM bounce off and land near their respective TIDALs. They choreographically fight the TIDALs, distinct in their combat. They pose or slow down whenever the song hits certain drums.)

(MILKY WAY unleashes their Quasar.)

(ANDROMEDA repels away the TIDALs.)

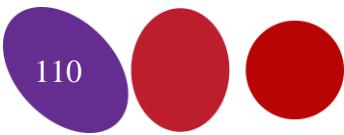
(CARTWHEEL and WHIRLPOOL utilize martial art tactics.)

(The TIDALs run off.)

[End of “Bounce Back”.]

MILKY WAY

So hungry, I eat Pegasus. Should we catch them?

**CARTWHEEL**

Time will catch up to them. Hopefully starvation doesn't.

WHIRLPOOL**MILKY WAY**

Andromeda, we neva' see you so upset...

ANDROMEDA

My once-in-a-literal-eternity beauty sleep was interrupted.

WHIRLPOOL

That ain't a black hole where your heart should be.

CARTWHEEL

In fact, quite the opposite.

TRIANGULUM

We're each becoming anomalies with each passing millennium...

(CARTWHEEL finds JD in the Left Ellipse.)

CARTWHEEL

Speaking of anomaly... JD?

WHIRLPOOL

JD?

ANDROMEDA

JD.

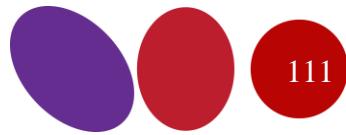
MILKY WAY

JD!

(TRIANGULUM comes out of the Right Ellipse.)

TRIANGULUM

SPT0615-JD.



JD

It's been a millennium.

TEEN GALAXIEs

A million to the millionth power of years.

CARTWHEEL

You ran out of our home...

WHIRLPOOL

Ain't a goodbye...

TRIANGULUM

You come crawling back to us.

ANDROMEDA

You're now a pearl in...

MILKY WAY

A smaller Ellipse!

JD

How is Singularity...?

(*MILKY WAY weeps.*)

CARTWHEEL

How is the Edge...?

WHIRLPOOL

TRIANGULUM

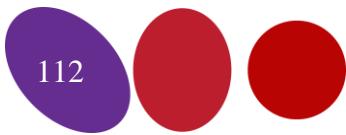
(*ANDROMEDA scopes out the Edge.*)

ANDROMEDA

Well, "where" is certainly answered.

TEEN GALAXIEs

You're unrolling back the Edge?

**JD**

You were right about “nothing...”

TRIANGULUM

There is no one out there for us... Much like there is no one here for us.

CARTWHEEL

Singularity is nothing now.

WHIRLPOOL

Our nomy/mother/father is no longer here for us.

ANDROMEDA

Though nature is now healing, our Universe remains nothing.

JD

I'm bringing everything. Everything I've got.

TRIANGULUM

You brought anything but family. Where's Gravity?

JD

Gravity... Fell off the face of the Universe.

ANDROMEDA

You sure you didn't toss them overboard...?

CARTWHEEL

JD! You have a bite wound!

WHIRLPOOL

JD, we have to go home now.

TRIANGULUM

Tidal forces... Biting the hand that feeds.

MILKY WAY

No. Gravity fed JD...

TRIANGULUM

Gravity fed JD lies and deception.

CARTWHEEL

Gravity almost took you down.

WHIRLPOOL

Gravity brought you down to their level.

ANDROMEDA

We almost lost you in the Gravity well.

(JD nervously lies.)

JD

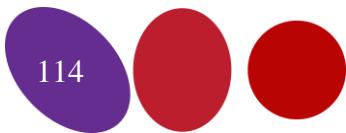
Gravity lost themself. I did throw Gravity over the Edge... Gravity got to my head. Gravity attracted me to *nothing*. But I fought against the tidal dog's attractive force with the Big Bang Taser. Then I chucked it off the face of the Universe.

ANDROMEDA

We understand. We'd do anything for our dog. Even strike our nomy/mother/father.

TRIANGULUM

Tidal forces are stupid. They're running the cosmos amok.

**CARTWHEEL**

Just a reminder that time is running out!

WHIRLPOOL**MILKY WAY**

JD needs food! Food heals. Growth make our body stronger.

TEEN GALAXIES

It is Crunch Time, SPT0615-JD.

JD

Please, it is you who has nothing in the pit of your supermassive black holes. You are all growing teen Galaxies. Even you, Milky Way... You with your warp, waves, and wrinkles... It's wonderful.

(MILKY WAY sees through JD.)

MILKY WAY

You never be Singularity.

JD

I'm certainly apparent as Singularity. It is all clear to me.

TRIANGULUM

You definitely believe you're the center of the Universe like they once did. Cart-Whirl, roll back the Edge.

*(CARTWHEEL and WHIRLPOOL go to the edge of the stage.
They demonstrably have trouble.)*

CARTWHEEL

We can't wedge out the Edge!

WHIRLPOOL

JD

I did cut away from the Edge. I have the knowledge and strength to unroll the fabric of spacetime. I can clean up my own mess. I must undo the Big Bang. Listen, I'm the closest thing you have to Singularity. I shall not compare myself to the grandmaster. I may just be worthy as your master of the Universe. We're not famine. I will give my all. We are family.

TEEN GALAXIEs (except TRIANGULUM)

You gave your all to *nothing*.

23. EVERYTHING

TRIANGULUM

NOTHING IS ANOMALY LIKE FAMILY...

FAMILY IS FORGIVING.

TEEN GALAXIEs (except TRIANGULUM)

OH NO.

TRIANGULUM

FAMILY SHARES A HEARTBEAT.

TEEN GALAXIEs (except TRIANGULUM)

TAKE IT SLOW.

TRIANGULUM

FAMILY IS EVERYTHING.

TEEN GALAXIEs (except TRIANGULUM)

WE KNOW NOTHING ABOUT JD.

TRIANGULUM

WELL, LET'S START WITH WHAT WE KNOW ABOUT GALAXIES.

JD FEELS EVERY CELL,
FROM THE PLANETS TO THE COMETS IN STAR SYSTEMS.
JD LOVES THROUGH EVERY VEIN,
WITH ITS INTERGALACTIC SUPERHIGHWAY SYSTEMS.
JD IS IN OUR HEARTS.

CARTWHEEL**WHIRLPOOL****ANDROMEDA**

BLACK HOLES ROOTED IN US, WHILE THEIRS JUST STEMS.

CARTWHEEL**WHIRLPOOL**

LOYALTY IS EVERYTHING. LET GO.

TRIANGULUM**ANDROMEDA**

EACH SIBLING IS EVERYTHING. LET'S GO.

JD

LEGACY WAS EVERYTHING. I KNOW
TO LET GO OF NOTHING.

(The TEEN GALAXIES clear out the campsite.)

TEEN GALAXIES

WELL, NOTHING WILL STOP US FROM GOING HOME WITH ALL SIBLINGS.

(Assisting and guilt tripping JD.)

FAMILY/FAMINE IS EVERY PINCH,
FROM CURRENCY TO OUR THICK SKIN MADE OF STARDUST.
FAMILY/FAMINE IS EVERY FIGHT,
FROM VERBEL TO PHYSICAL TO SPIRITUAL.
FAMILY/FAMINE IS EVERY STRIKE,
TO OUR NOMEY/MAMA/PAPA, TO OUR PARENT, TO OUR BẠCH HỒ.

(*MILKY WAY embrace JD like SINGULARITY.*)

MILKY WAY

GALAXY, THIS, WE HAVE LEFT, WE HOLD...
FAMILY IS EVERYTHING WE KNOW.

(*The TEEN GALAXIEs embrace JD.*)

TEEN GALAXIEs

FAMILY IS EVERY HUG,
FROM RELUCTANCE TO GENUINE TO FORGIVING.
NOTHING LEAVES A LEGACY LIKE EVERYTHING.

[*The home returns from beyond the horizon.*]

JD

I OWE YOU EVERYTHING YOU KNOW.
I OWE YOU EVERYTHING, YOU KNOW?

GALAXIEs

FAMILY IS EVERYTHING WE KNOW.

[*The home returns to near the edge of the stage once again.*]

[*End of “Everything”.*]

SCENE 6

[The Center of the Universe]

(SINGULARITY remains lifeless under the rug.)

(JD returns to the Ellipse. They look upon SINGULARITY. They set down their knapsack. They head through the side exit.)

(The TEEN GALAXIES stand by the table.)

TEEN GALAXIES

It is Crunch Time, JD. SPT0615-JD?

(JD returns with the dishes. They bow.)

JD

Declinations, family. The Galaxy family. It is Crunch Time.

TEEN GALAXIES

Declinations, SPT0615-JD.

(The TEEN GALAXIES sit, and TRIANGULUM tosses away the whoopie cushion.)

(MILKY WAY pouts.)

(JD passes out the dishes.)

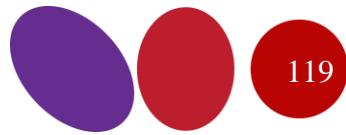
JD

Looks like someone's been avoiding gas giants.

TRIANGULUM

Quit the sass, Milky Way.

(MILKY WAY dives into their dish.)

**GALAXIES** (except MILKY WAY)

Again, Milky Way... Teenagers...

(JD finally sits amongst their family.)

(Each TEEN GALAXY takes a swig. All of them, but MILKY WAY, cough up their Crunch.)

TRIANGULUM

What did you put in this nuclear pasta, JD?

ANDROMEDA

Ye mostly dark matter, Triangulum.

CARTWHEEL

It'll take eight eternities to wash out our mouths, Andromeda.

WHIRLPOOL

I need a nap after this, Cartwheel.

JD

We're a family again.

(MILKY WAY inspects JD's healed wound.)

MILKY WAY

You yourself again. You ellipsoid.

JD

You are so grounded. Alright, Gals. It has been quintillions upon quintillions of years of staying up. Fix yourselves to bed.



(*The TEEN GALAXIEs head off to bed.*)

TEEN GALAXIEs (except MILKY WAY)

Declinations, sibling.

MILKY WAY

No way I call you sibling Sing. You no Singularity.

(*JD hands the Big Bang Taser to MILKY WAY.*)

MILKY WAY

Adults usually tell truth...?

JD

Even after hibernation, a solid bear still lies. Let me be the anomaly. I ask for your warp, waves, and wrinkles... To walk away.

(*MILKY WAY heads off to bed, without a bow.*)

(*SINGULARITY remains lifeless.*)

SINGULARITY

You are a bit mistaken... For revisiting this place. Save space.

JD

I can't even save myself...

SINGULARITY

Baby, are you hurt?

JD

Nomy/Mommy/Daddy, are you hurting?

SINGULARITY

JD, who did you see beyond our Ellipse?

JD

Nomy/Mommy/Daddy Sing, what did you see in this Ellipse?

SINGULARITY

SPT0615-JD, apparenacy. Are you apparent yet?

JD

Singularity, what made you decide to be apparent?

SINGULARITY

Our hearts eventually open up the prophecy: When a Galaxy takes in enough light from their singularity, it's time to be the single source of light for the lightless. Every being is born lightless. It's upon us to shed our light. It's upon us to save space. It's upon us to make photons in Crunch Time. You're a luminous adult. Act like one.

JD

My love is never going to be as apparent as you.

SINGULARITY

My black hole has only been feeding. Has only been accepting.

JD

Can you just please accept the Edge? I can't bare the legacy I made you leave behind...

SINGULARITY

It is apparent now that your heart is too supermassive and there is a space that'll hold you. A Universe that'll hear you. The Edge accepted me... The moment I left my family for my legacy.

JD

My legacy isn't out there. You were right. It's a heartless and lightless universe. In an Ellipse unlike ours, I have nothing to take care of. I am unable to share the light of my heart.

SINGULARITY

You certainly took care of me.

JD

I didn't wish for you to die... I wished our time together did...

SINGULARITY

I wish for you to not meet your end here. It is apparent as a parent that I now grant you the right to shed light where you need to. Face the Edge. You must cut away from this Center. You will never be apparent to your siblings. I'll always be the source of light for them. Be the light for Abell.

JD

There comes a time when one must stop being apparent/a parent. Not now.

SINGULARITY

I no longer shed light to you.

JD

I need you to be apparent/a parent. More than ever. I want to leave a legacy. I don't want to leave this family. I am nothing.

SINGULARITY

I am apparent as you are going to be. SPT0615—... Just dropout.

(JD gets their knapsack. They head to the edge of the stage.)

*(MILKY WAY enters, seeming to have listened the entire time.
They rush out and return with the rest of the TEEN GALAXIES.)*

(TRIANGULUM holds a fixed snow globe.)

24. APPARENT (SHED LIGHT)

JD

I SHALL FINISH MY VERSE.
I COME UNREHEARSED.
I MAY CLOSE THIS EPIC.
I WILL GIVE MY TIME.
I'LL MAKE DO OF WHAT IS LEFT.
I'LL BE ON THE DOT DOT DOT.
ELLIPSES?

TEEN GALAXIEs

JD.
ANOMALY.
YOU'RE EVERYTHING.

SINGULARITY

SHED LIGHTLY...
SHED LIGHTLY...
TREAD LIGHTLY.

TEEN GALAXIEs

YOU'RE STILL FAMILY.
ELLIP—...

JD

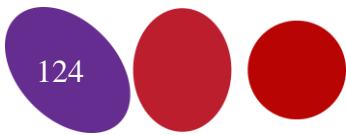
AGAIN, BE A PARENT.
PLEASE, BE A PARENT.
WHEN WE NEED OUR PARENT,
WHERE IS OUR PARENT?
I HOPE THAT IS APPARENT.
I HOPE I AM APPARENT.
I'LL SHED LIGHT.

(JD steps backwards. They barely fall off the edge of the stage.)

(GRAVITY suddenly runs in, startling the TEEN GALAXIEs. They catch JD.)

JD

GRAVITY, YOU'RE THE BEST TIDAL FORCE A GALAXY COULD EVER ASK FOR.



GRAVITY

PARALLAX.

(JD tilts their head into GRAVITY.)

JD

I CAN'T WHEN YOU GROUND MY SUPERMASSIVE

GRAVITY

FALL...

JD

HEART...

SINGULARITY

PLEASE FINISH YOUR VERSE.

GRAVITY

A “SINGULARITY” IS WHAT YOU’LL BE,
IF YOU SPEND THE REST OF TIME WITH YOUR NEW FAMILY.

[The shadows of the TIDALs loom.]

JD

I CAN ONLY SHED MORE BLOOD... FEUDS...
I’LL SHED LIGHT ON A WHOLE NEW U—
'NIVERSE.

FAR-FETCHED!

(JD pretends to toss a ball over GRAVITY.)

(GRAVITY accidentally lets go of JD. They look to where JD supposedly threw the star.)

(JD falls off the Edge of the Universe or the edge of the stage into nothingness.)

JD

You're meant to let me down, Gravity. Save space for your famil—

[End of "Apparent".]

(GRAVITY realizes the tragic mistake they have instinctively done. They whimper.)

GRAVITY

Forc— Fall...!

(Running off.)

(TRIANGULUM drops the snow globe. They collapse into CARTWHEEL's arms.)

(MILKY WAY ignites the Big Bang Taser. They angrily and repeatedly stab it into SINGULARITY's chest, like a defibrillator.)

(The other TEEN GALAXIES are caught unaware.)

25. SPACETIME

(SINGULARITY suddenly embraces MILKY WAY. They stow away the Big Bang Taser under the rug. They pick up the snow globe. They walk back to the rug and place it there. They cluster together the TEEN GALAXIES.)

SINGULARITY

IT'S ABOUT...

IT'S ABOUT...

IT'S ABOUT SPACETIME.

[End of "Spacetime. "]

26. LIMINALITY

(SINGULARITY heads to the Edge to look out.)

[The elliptical light lands on JD and ABELL.]

(JD is now embracing their child, ABELL.)

JD

A bell. Adulthood is unfulfilling. But only out of nothing in a space of my own, can I fill it with meaning. In a place devoid of noise, can I hear a bell. In darkness, can I shed light and feel seen. Familyhood is to be made. I cut my edges for you. Abell, I made you from nothing... It is clear. I am apparent.

INVARIANT

Singularity! Like you, JD bypassed this elliptical liminality!

FIX

Singularity. I was right that they'd break the fourth dimension and fulfill this familiar prophecy!

INVARIANT

Singularity, grandmaster of the Universe, is now the grandparent/mother/father of the Multiverse.

FIX

Sing— Single grandest Galaxy we could ever hope for... Another...

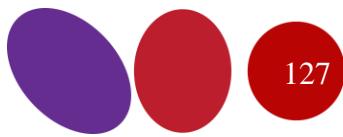
INVARIANT

FIX

Liminal space awaits your heart, Singularity.

(SINGULARITY could not be more sentimental. Sooner or later, they have to accept JD's newfound family in a new Ellipse/Universe. They return to their family.)

[End of "Liminality"].



SCENE 7

27. (THE BIG RIP OF ZENITH)

[At the cosmic high noon, time screeches to a halt.]

(GRAVITY now embodies an outlawed Lupus. They march out of the shadows.)

GRAVITY

Dogfight at Zenith... Singularity?! Let's kill time.

(The TIDALs have evolved into wolves. As a tidal wolf pack, they follow GRAVITY's lead.)

(CARTWHEEL and WHIRLPOOL go on the defense.)

CARTWHEEL

WHIRLPOOL

Let's save time.

TRIANGULUM

Gravity is back to curb stomp spacetime.

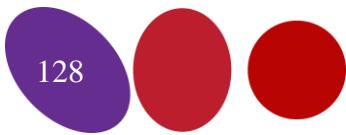
(ANDROMEDA pushes TRIANGULUM to safety.)

GRAVITY

Matter is neither created nor destroyed. Unlike those who mattered in our Universe...

MILKY WAY

What you saying, Gravity?



GRAVITY

(Howling.)

Free fall.

TIDALs

(Savagely and twistedly terrifyingly.)

Force! Force! Force! Force!

ANDROMEDA

Ope. All the energies of the Universe have been compressed to this place... Ye really miss the wide-open space right about now!

(GRAVITY recognizes the galactic weak spots. They strategize the TIDALs to ANDROMEDA.)

GRAVITY

Fix.

(The TIDALs surround and implode ANDROMEDA. They take away ANDROMEDA's white-hole heart.)

ANDROMEDA

Me pearl!

TIDALs

Fall!

(SINGULARITY remains weakened.)

SINGULARITY

You Tidals are not entitled to any of my children's heart. And you sure aren't entitled to our fourth dimension: time.

(CARTWHEEL and WHIRLPOOL cartwheel and spiral at GRAVITY.)

GRAVITY

Fall time.

[Time speeds up for CARTWHEEL while time slows down for WHIRLPOOL.]

(A TIDAL defeats CARTWHEEL at fast speeds. Another defeats WHIRLPOOL in slow motion.)

TIDALS

Fall!

(EARTH lives in MILKY WAY's head.)

EARTH (offstage)

You got this, water bear.

MILKY WAY

My heart, no longer primordial. I no nebula anymore, mortals!

(MILKY WAY unleashes their Quasar.)

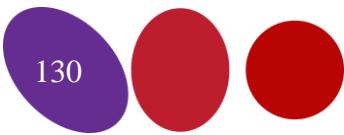
(Some TIDALS get wiped out. The TIDALS drastically bring out a mirror, blinding MILKY WAY and causing them to collapse.)

MILKY WAY

Outsides look like that...? Ow, waves, and wrinkles...

(GRAVITY faces the home.)

(SINGULARITY bows. They kick up the rug to find that underneath, there is zilch.)



(*GRAVITY unveils the Big Bang Taser.*)

GRAVITY

Zilch?

SINGULARITY

The force...? Opposable thumbs?!

(*The TIDALs dogpile on SINGULARITY.*)

(*CARTWHEEL, WHIRLPOOL, ANDROMEDA, and MILKY WAY crawl in front of SINGULARITY.*)

WHIRLPOOL

Time is up.

CARTWHEEL

Gal, it's downtime.

CARTWHEEL

WHIRLPOOL

They took time away from us. We won't have time anymore...

ANDROMEDA

And our oyster.

MILKY WAY

Gravity... *Good tidal forces don't kill time.*

(*GRAVITY ignites the Big Bang Taser.*)

GRAVITY

Big Freeze, Singularity! You've pushed everything I've ever loved over the Edge! My friend. My family. Without your oldest Galaxy... *I am nothing*: a lone wolf. What's left of the Galaxy family... You are a pack of Omegas. Heat death is what you spineless piles of dusts deserve and what a fair universe would serve. No matter how fast light goes, darkness awaits at the end. We'll crunch you up with the force of Gravity, you know?

(*TRIANGULUM rushes in to stand in between GRAVITY and their family.*)

TRIANGULUM

Stupid tidal wolf... You can have a piece of my nuclear pasta, but you can't have a piece of everything!

(*GRAVITY knocks down and tases TRIANGULUM.*)

GRAVITY

I'm getting behind the ears and the years!

(*TRIANGULUM tosses and turns in pain.*)

[*The space illuminates field equations made up of Newton's second law of motion: F = MA. They are spelt out as FAM.*]

(*GRAVITY notices the familial field equations. They stop tasing.*)

GRAVITY

Fam... JD... Force! Fix!

(*The TIDALS stop focusing on SINGULARITY.*)

TRIANGULUM

I feel... Nothing. I am the anomaly. Everything is family...

(*GRAVITY grows remorseful. They narrate.*)

GRAVITY

Nothing comes close to family... Not us, beasts. I'm Gravity. I've been around for infinite dog years. Long enough. This is the end of the tidal pack. The end of time.

(*Tossing the Big Bang Taser off the stage.*)

No Ellipse is perfect. In Zenith, I'll spend eternity... Free!

(*GRAVITY jumps off the stage from where JD fell off the Edge of the Universe.*)

TEEN GALAXIEs (except TRIANGULUM)

Gravity!

[*Time starts and erratically accelerates.*]

(*The TIDALs are livid.*)

(*SINGULARITY rockets out of the dogpile. They fight through the TIDALs to save TRIANGULUM with all their parental love.*)

SINGULARITY

A closed space is our destiny. My all is in this singularity!

(*SINGULARITY gathers the GALAXIEs towards the table. They ponder and come to terms that they cannot handle the tidal forces any longer. They feel the Big Crunch Theory⁹.*)

It is Crunch Time... Singularity...

(*Outside, the TIDALs are wildly scattering.*)

(*CARTWHEEL and WHIRLPOOL guard TRIANGULUM as ANDROMEDA and MILKY WAY lead TRIANGULUM to the table.*)

⁹ The Big Crunch Theory is a theory of the end of our Universe, where its expansion eventually reverses and collapses into a singularity.

TRIANGULUM

You are everything.

(*TRIANGULUM smiles. They sit on the whoopie cushion.*)

(*The Galaxy family laughs their last hearty laugh. They all sit.*)

SINGULARITY

TEEN GALAXIES

We know.

(*SINGULARITY places a hand on their chest, with the remaining GALAXIES doing the same. SINGULARITY changes their mind. They take and hold each GALAXY's hands next to them. In turn, the GALAXIES hold each other's hands.*)

[End of “The Big Rip of Zenith”.]

28. BIG CRUNCH

SINGULARITY

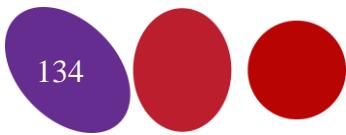
LOSE CONTROL IN OUR PALMS.
FILL US WITH EXTERNAL DARKNESS.
BLEED OUR LIGHT IN NO TIME.
BIG CRUNCH THEORY, GALAXIES.

IN OUR HOME, DWELLS NIGHTMARES.
KINDLED BY MY CLUSTERS OF STARS.
LIVE YOUR THOUGHTS IN OUR HEARTS.
IT'S THE BIG CRUNCH, ELLIPSES.

[*The darkness swallows the stage, outside the home.*]

TEEN GALAXIES

CONSUME OUR COSMOS./ DOOMED BY THE SYSTEM.
CONSUME OUR WHOLE LIVES. / ENTOMB ALL OUR DREAMS.



SINGULARITY

CONSUMED BY THOUGHTS OF FAMILY. FAMILY...

TEEN GALAXIES

CONSUMED BY THOUGHTS OF REALITY. REALITY...

(The TIDALs creep into the home.)

[The darkness seeps into the home. The curtains gradually close.]

(SINGULARITY and the TEEN GALAXIES hug each other to the point of a singularity.)

SINGULARITY

TEEN GALAXIES

THROUGH THE BIG BANG THEORY.
AND BIG RIP OF SPACETIME FABRIC.
HOLD OUR LOVE PAST HEAT DEATH.
IT IS CRUNCH TIME, FAMILY.

(The TIDALs pounce on the Galaxy family. The tidal forces consume them.)

TIDALS

...

[Blackout. The curtains are completely closed.]

[Time ends. It's the end of the Universe as we know it.]

[End of "Big Crunch"].

End of Act



ACT III

ACT III SCENE 0

[A Fresh Universe]

[A ray of light illuminates the Big Bang Taser in front of the stage.]

(From the audience, ABELL goes to pick up the Big Bang Taser.)

(JD approaches ABELL.)

(ABELL points the Big Bang Taser at JD. Rather than traditionally shooting them, they actually want to hand it over to JD, who sentimentally accepts it.)

JD

Nothing...

(JD fires the Big Bang Taser at the stage. They return it to ABELL.)

29. BIG BOUNCE

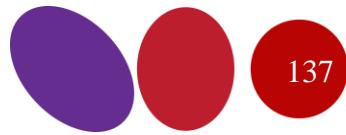
[The home seeps back out of the curtains, as it initially did before the Big Bang. It is still notably dark.]

[A light flashes with each GALAXY.]

(TRIANGULUM holds the snow globe.)

TRIANGULUM

EVERYTHING!

**WHIRLPOOL**

EVERYTHING!

CARTWHEEL

EVERYTHING!

ANDROMEDA

EVERYTHING!

MILKY WAY

EVERYTHIN'!

(SINGULARITY and the TEEN GALAXIES cluster together in the home.)

[The light fills the whole ELLIPSE.]

TEEN GALAXIES

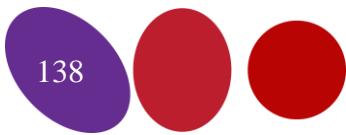
BIG BOUNCE!

(The TEEN GALAXIES bounce away from one another. They distinctly dance alongside their respective walls.)

(SINGULARITY remains at the center of the home, amused.)

(The TEEN GALAXIES bow at the respective tone of their signature songs. TRIANGULUM hands the snow globe to SINGULARITY.)

(SINGULARITY bows when this song plays the tone of “Luminous”. They unscrew the glass dome off the snow globe.)



[The lights suddenly fill the stage. The side curtains open to reveal what's upstage.]

[It's the rebeginning of the Universe as we don't know it.]

(The TIDALs frolic in the wide-open space upstage. They bow.)

(The MULTIPLICITIEs separate from the audience and bow.)

[The spotlight unveils GRAVITY in the audience.]

(GRAVITY runs up to and hugs JD.)

(JD pulls out a ball for old time's sake. They toss it onto the stage.)

(GRAVITY confusingly heads to the ORCHESTRA. They spotlight the ORCHESTRA. They point to the SOUND DESIGNERs. They return to JD.)

(JD tosses stars onto the stage.)

(The CREW rushes in. They pick up as many stars as they could. They cluster together. They bow.)

(COMPANY bows. They dance in spacetime.)

Close circuit



$$M = \frac{\Delta I_0}{\sqrt{1 - \frac{E^2}{C^2}}}$$





<https://workingtitleplaywrights.com>



Sense-Ability Ensemble (openspottheatre.com)



Daughters of Lorraine Podcast
HowlRound Theatre Commons



The Cultural Workers Podcast
(anchor.fm/minka-wiltz)



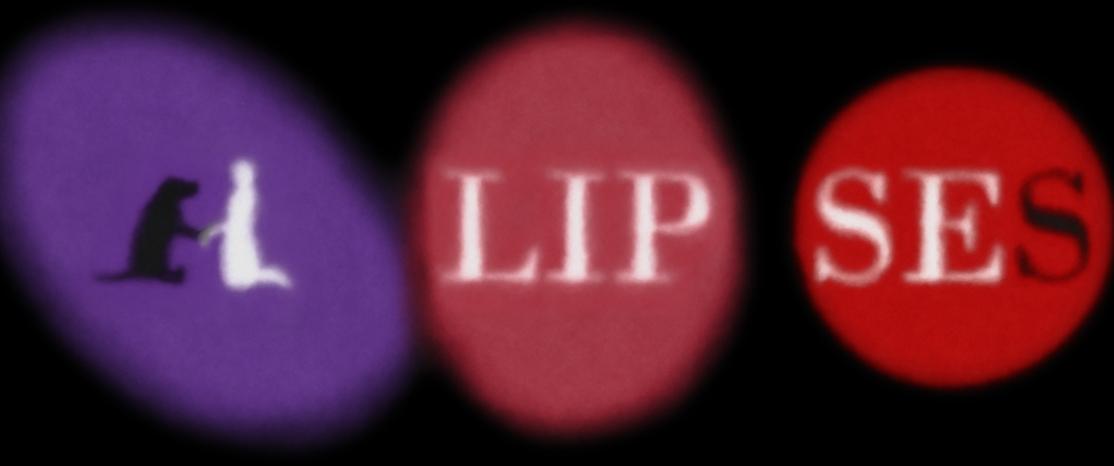
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Inside My Box Podcast (anchor.fm/insidemybox)



Working Title Playwrights New Play Development Apprenticeship features
a concert reading of a brand-new science musical about the Galaxy family



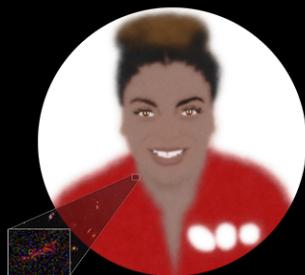
Book, Music, and Lyrics by DAVID QUANG PHAM | Directed by ALIYAH CURRY
Dramaturgy by JORDAN ALEXANDRIA EALEY | Managed by ALEXIS MCKAY
Narrated by SOFIA PALMERO | Performed by the Star-Studded Cast



PARRIS SARTER



VALLEA E. WOODBURY



DANIELA COBB



JASON-JAMAL LIGON



SKYE PASSMORE



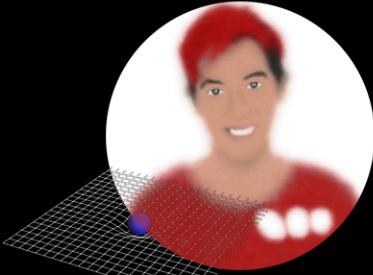
ABBY HOLLAND



DANIEL SAKAMOTO-WENGEL



EVAN PHILLIPS



KAIT RIVAS

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