On Ruinment
Ruination Theory and its Consequents

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***Abstract*—TODO: write abstract**

I. Introduction

The field of Ruination Theory is a severely sparse and understudied field, despite its deep ramifications. The question of ruinment is fundamental to our very perception of the world and the categorical[1] distinctions we make of it. We seek to demonstrate the importance of Ruination Theory through our novel Waldstreicher–Equivalence Theorem, deriving results impossible to find in any other field of Computer Science or Mathematics, as well as fill in the as of yet missing fundamentals to this incredibly impactful and meaningful field.

II. Ruinment

We refer to the act of ruining something as *ruinment*, [2] and begin with the central lemma of our study, which is perhaps the most important fact of ruinment.

Lemma II.1 (Tascheter–Conover Fundamental Lemma of Ruinment)**.** *Adam ruins everything.*

Proof. See [3]. □

In search of a mathematical formalization of the notion of ruinment, we assert the following characteristics that must be true for such a formalization:

Proposition II.2. *Anything can ruin anything else.*

Proof. Take two objects A and B which may be enumerated within a given language of discourse.[3] We call A the ruinator and B the ruined. Note that the phrase "A ruins B" is semantically valid. We exemplify three cases: "*Fire* ruins *the Library of Alexandria*"[2], "*Testosterone* ruins *Luna A.* تاشتر "[1], and "*Adam* ruins *everything*" (by the Tascheter–Conover Fundamental Lemma of Ruinment). □

Exercise 1. *Translate this paper into a non-English language.* [4]

Proposition II.3. *The classes of all ruinators and ruineds are finite sets.*

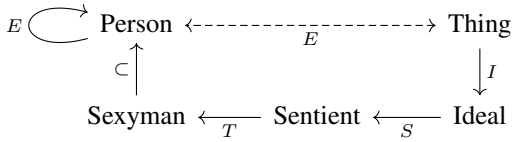
Proof. First, note that language, as a general construct, exists within humans for the purpose of communication. Thus, the class of all words in every language of discourse must fit within the combined storage space of the minds of every human. As there is a finite amount of humans, [5] each human stores information in a physically-bounded region called the Brain[4], and any given region of space has an upper limit to information density[5], this combined storage space must be finite. Thus, the class of all words in every language of discourse is finite, and thus we may form a set of all words in every language of discourse $\mathfrak{L}$. As the class of all English words $\mathfrak{E} \subset \mathfrak{L}$, $\mathfrak{E}$ is finite and thus also forms a set. We note that each locus[6] in English is a finite sequence of words. As every ruinator and ruined corresponds to a locus, there are finite ruinators and ruins. Thus, their classes are finite sets. □

Proposition II.4. *The sets of ruinators and ruineds are equal.*

Proof. Trivially, by Proposition II.2.[7] □

Proposition II.5. *Reflexivity of ruinment.*

Proof. Everybody eventually ruins themself[7]. We extend this notion to apply to *everything* as well: write $\mathfrak{R}$ as the set of ruinators and ruineds. Then, $\forall r \in \mathfrak{R}$, create some embodiment $E(r)$ as follows: if r is a person, $E(r) = r$, and otherwise construct $E(r) = T(S(I(r)))$ where $I(r)$ is the platonic ideal of r, $S(x)$ bestows sentience upon x, and $T(x)$ turns x into a hot Tumblr Sexyman.[8] We note that this process has already been proved feasable on Van Gogh's *The Starry Night* [8], and, in fact, may be undergone in general[9].



[0] تاشتر is transliterated *Tascheter*, for those of you who have spoken solely the profane Latin-scripted tongues.

[1] In a Hegelian sense, you dirty Category[13] Theorists.

[2] Other terms used in the field include *ruination*, *T0T41 PWN4G∃*, and *ratio*.

[3] We assume the use of English in this paper due to the author not knowing any other language. Je sais un peu de français, mais c'est une langue merdeuse, donc je ne veux pas le utiliser.

[4] Get it published in SIGBOVIK 2023 and I'll mail you 1 USD! Please, I need citations.

[5] ٧،٩٣٥،٨٨٤،٢٥٦[6]

[6] A phrase used to uniquely refer to an object.

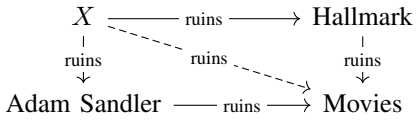
[7] En français, je peux dire tout ce que je veux. La réalité est une illusion! Le univers, c'est un hologramme! Achète l'or!

[8] Pardon mon anglais.

As $T \circ S \circ I$ is an homomorphism over ruination,[9] everything eventually ruins itself. □

Proposition II.6. *Transitivity of ruinment.*

Proof. Suppose there are $A, B, C \in \mathfrak{R}$ where A ruins B and B ruins C. We prove, then, that A must ruin C. We propose a well-studied mechanism: the Sandler–Hallmark Theorem. In short, this theorem generalizes the mechanism through which movies are still well-liked[10]. We note that Adam Sandler and Hallmark both ruin movies; [10] however, movies aren't ruined yet[10]. The discoverers of the Sandler–Hallmark Theorem, in their seminal [11] paper in Ruination Theory[12] "The New Odysseus of 1966,"[13] prove this is because Adam Sandler and Hallmark are already ruined, and thus cannot ruin anything else[11]. They propose that anything that ruins Adam Sandler and Hallmark then, in a sense, "steals" or subsumes all of their ruinments.



They continue to generalize same principal to the general case of transitivity of ruinment. □

Exercise 2. *Prove your gender is trans-itive.*

Definition II.7. *Formal Ruinment is a preorder $\succ$ over $\mathfrak{R}$.*

Proof. Propositions II.2, II.3, II.4, II.5, II.6. □

III. Categorical[13] Ruination Theory

And, thus, we have formalized the ever-elusive notion of Ruinment in Ruination Theory. This, alone, would be enough to warrant an entire paper, maybe even 5, due to how novel this result is. But we, the searchers for Scientific Knowledge, would never—nay—*could never* do such a thing. And, thus, we continue ever onward into never-before-charted territory![14]

We continue with a brand-new angle on Ruination Theory:[15] Categorical[13] [16] Ruination Theory.

Theorem III.1. *Formal Ruinment over $\mathfrak{R}$ forms a category* [13] **Ruin**.

Proof. From Definition II.7 and the fact that all prosets are thin categories[12][13]. In this case, $\mathfrak{R}$ is the set of all objects[13] and each ruinment is a morphism[13]. □

[9]Ruination is preserved due to it producing *embodiments* of objects, which are naturally homo-by-definition.

[10]*Adam Sandler* ruins *movies* $\wedge$ *Hallmark* ruins *movies*

[11]pensive

[12]Though we use the term ruination in this paper, historical precedent dictates we call the field, in general, Ruination Theory.

[13]Copious research into the metamathematics of titling has provided us with the knowledge that 1966 is the birth year of Adam Sandler.

[14]Avast ye, for we are the bold and rousing crew of the Good Ship Ruinment!

[15]Man, writing this paper's abstract will be a cinch at this rate!

[16]In a Category[13] Theoretical sense, you cleanly Category[13] Theorists.

And, now, we may bring in all sorts of results and generalizations found in Category Theory[13], such as the following corollaries:[17]

Corollary III.2. *Adam Conover is the initial[13] object* [13][18] *in* **Ruin**.

Proof. As **Ruin** is thin[13] (Theorem III.1), between any two objects[13] $A, B \in \mathfrak{R}$ there is at most one, unique morphism[13] between them, corresponding to the relation $A \succ B$. As Adam Conover ruins everything (The Tascheter–Conover Fundamental Lemma of Ruinment), there thus is a unique morphism[13] between Adam Conover and every object[13] in **Ruin** (Theorem III.1. Thus, Adam Conover is the initial[13] object[14][13] of the category [13]. □

IV. Waldstreicher–Equivalence

At this point, you may be thinking, "Wow! This paper has had so much succulent information for me to chew on with my Brain-teeth; how could there be any more?" To which I would respond, "What kind of person thinks such a thing? Like, seriously, 'Brain-teeth'? What is this, 1984?" To which you would probably reply "But SIGBOVIK didn't run in 1984!" and I would continue "The deadline is in one hour and I have to end this bit now." [19]

Definition IV.1 (Waldstreicher–Equivalence)**.** *A relation $\rightsquigarrow$ over a set S is Waldstreicher–Equivalent iff Adam Conover $\in S$ and $\forall s \in S : s \rightsquigarrow$ Adam Conover $\Leftrightarrow s$ is Adam Conover.*[20]

Theorem IV.2 (Waldstreicher–Equivalence Theorem)**.** *If somebody ruins Adam Conover, they are Adam Conover.*

Proof. Because Adam Conover is the initial[13] object[13] in the category[13] **Ruin** (Corollary III.2), there is a morphism[13] from him to every object. If somebody has ruined Adam Conover, then there must be a morphism[13] from them to him (Theorem III.1). Thus, this person is Adam Conover, up to unique isomorphism[13].[21] □

And, finally, the most important work of this paper, which motivated its very creation:

Corollary IV.3. *Maya Waldstreicher is Adam Conover.*

Proof. Maya Waldstreicher has ruined Adam Conover[18]. Thus, by the Waldstreicher–Equivalence Theorem, she is Adam Conover. [22] □

Exercise 3. *You just got Ruined! Tag your friends to totally Ruin them!*

[17]Did we have a second one of these?

[18]We here at the Dissociation for Heresiographal Computation would like to sincerely apologize for objectifying Adam Conover. It was never our objective or desire to objectify a man. Though we have no intention of changing our behavior, we are deeply, deeply apologetic.

[19]We have been recently notified of the "final" deadline extension of submissions to SIGBOVIK 2022. Our stance on ending this bit where it stands has not been affected as a result of this sudden, deeply unexpected change.

[20]No, this isn't absurdly specific, what do you mean?

[21]TODO: find out what this means

[22]I can't believe I've met Adam Conover!

Appendix A
Not a Waste of Paper

Definition A.1 (Tascheter)**.** *A mathematical work is Tascheter iff it is Gödel-incomplete.*

Definition A.2 (Epilyssic)**.** *A mathematical work is Epilyssic (or Epic[23]) iff it is Gödel-complete.*

Definition A.3 (Evil)**.** *A situation is Evil iff it contains a mathematic work that is Tascheter and Epic.*

Lemma A.4 (Thesis)**.** *Appendix A of Jean–Yves "mad dog"*[15] *Girard's "Locus Solumn: From the rules of logic to the logic of rules" is incomplete.*

Proof. See Kurt Gödel's Incompleteness Theorems[16]. □

Lemma A.5 (Antithesis)**.** *Appendix A of Jean–Yves "mad dog"*[15] *Girard's "Locus Solumn: From the rules of logic to the logic of rules" is complete.*

Proof. Appendix A of Jean–Yves "mad dog"[15] Girard's "Locus Solumn: From the rules of logic to the logic of rules" is titled "A Complete Waste of Paper"[17].[24] □

Theorem A.6. *Appendix A of Jean–Yves "mad dog"*[15] *Girard's "Locus Solumn: From the rules of logic to the logic of rules" is Tascheter.*

Proof. Trivial from Lemma A.4. □

Theorem A.7. *Appendix A "As Seen On Lemmas A.4, A.5, and Theorem A.6" is Epic.*

Proof. Trivial from Lemma A.5. □

Theorem A.8 (The Thesis and Antithesis Come into Conflict)**.** *The current situation is Evil.*

Proof. Trivial from Theorems A.6 and A.7. □

Corollary A.9 (Synthesis)**.** *Jean–Yves "mad dog"*[15] *Girard and Kurt Gödel should have a fistfight.*

Proof. Trivial from Theorem A.8. □

Exercise 4. *Figure out why Jean–Yves "mad dog"*[15] *Girard is called "mad dog." Like, I'm genuinely curious.*

Appendix B
I Told You It Wasn't a Waste of Paper

This appendix, and future ones, have been brought to you by the "final" SIGBOVIK 2022 deadline extension.

We continue our study by looking at possible avenues for expanding the formal notion of Ruinment. In particular, there are two properties that are promising in the novelty they offer to Formal Ruinment: Strong Waldstreicher–Equivalence, and totality.

Definition B.1 (Strong Waldstreicher–Equivalence)**.** *A Waldstreicher–Equivalent relation $\rightsquigarrow$ on S is Strongly Waldstreicher–Equivalent iff $\forall A, B \in S$, $A \rightsquigarrow B \rightsquigarrow A$ implies A is B.*

Lemma B.2. *Formal Ruinment is Strongly Waldstreicher–Equivalent.*

Proof. Suppose we have two $A, B \in \mathfrak{R}$. If A ruins B and B ruins A, there must exist two morphisms[13]: one from A to B and another from B to A. Then, A is B up to unique isomorphism[13].[26] □

Lemma B.3 (Fistfight Lemma)**.** *Formal Ruinment is total.*

Proof. We generalize the dialectical process used in Corollary A.9. $\forall A, B \in \mathfrak{R}$ where $A \neq B$, there must be at least one contradiction between the two. Otherwise, all attributes of A and B are the same, and thus $A = B$ by extensional equality. The contradictions between A[27] and B[28] must eventually be resolved, according to Georg Wilhelm Friedrich Hegel's Dialectic Theorem[19].[29] As the time t approaches ∞, this will eventually result in a fistfight[21] [30] (Corollary A.9). The nature of any fight is such that there is a winner and a loser[22].[31] As the winner, by definition, ruins the loser, this means that either A ruins B, of B ruins A. Thus, Formal Ruinment is total. □

Even more important than the Fistfight Lemma, however, is the interpretations and perspectives it promises to bestow upon us. We demonstrate this below:

Corollary B.4. *Adam Conover could beat anybody in a fistfight.*

Proof. Trivial, by the Fistfight Lemma's interpretation of Ruinment-as-fistfights. □

Exercise 5. *Lose to Adam Conover in a fistfight.*[32]

And, so, we finally expand the definition:

Theorem B.5 (Tascheter's Totally Wicked Totality Theorem)**.** *Formal Ruinment is a total order.*

Proof. With the relation of "is" taken as equality[33], Proposition II.5 and Lemma B.2 imply that Formal Ruinment is antisymmetric. Any total (Fistfight Lemma) and antisymmetric preorder is a total order. □

Corollary B.6. *Every subset S of $\mathfrak{R}$ under Formal Ruinment has a minimum and maximum.*

[23] Not to be confused with an epimorphism[13], which is decidably not Epic, just like the people that named it that.

[24] One could object that the actual title of this appendix is "A Pure Waste of Paper". This has, of course,[25] already been refuted in a prior work [15].

[25] I am never wrong.

[26] TODO: complete TODOs. Y'know, usually I get syntax highlighting on my TODOs, but with my poor color scheme choice it usually just makes it invisible. Wait, is that why I can't see any of my TODOs?

[27] The thesis. Not an exponent.

[28] The antithesis. Also not an exponent.

[29] Probably; It's been more than a year since I read this. Who cares about proper citations anyway[20]?

[30] The synthesis. The notion of exponentiation is ill-defined in this context.

[31] The ~~.:|:.~~*er.*

[32] You $\xrightarrow{\text{lose}}$ Fistfight

[33] I mean, that's what is is.

Proof. Take some $s \in S$. Then, either s is a minimum or $\exists x \in S : x \succ s$.[34] Since $\mathfrak{R}$ is finite (Proposition II.3), we may count the number of elements that s ruins ($r_s \in \mathbb{N}$) and the number of elements it is ruined by ($d_s \in \mathbb{N}$). Notice, then, that $d_x < d_s$. We may induct on x to find that there must be some $m \in S$ such that $d_m = 0$, and thus that m is a minimum.

Similarily, take $t \in S$. Either t is a maximum or $\exists z \in S : t \succ z$. $r_t < r_z$. Induct on z to find that there must eventually be some n such that $r_n = |S|$, that is, n is the maximum. □

APPENDIX C
X–TREME RUINATION

The Fistfight Lemma has enormous implications,[35] particularity in the methods used to deduce it. We thus provide an alternate view of Formal Ruinment, taking advantage of this perspective:

Definition C.1 (Obliteration)**.** *Obliteration is a total suborder of Formal Ruinment, where A ruins B iff A beats B in a fistfight.*

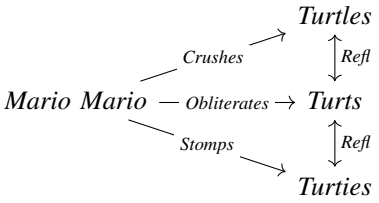
We continue by formalizing the intuitive notion of *Ruinment-as-fistfight* used in the previous appendix:

Corollary C.2 (Fistfight Isomorphism[36])**.** *Obliteration is equivalent to ruinment.*

Proof. By the Ruinment-as-fistfight interpretation of the Fistfight Lemma, if A ruins B, then A obliterates B. By definition of Obliteration, if A obliterates B, then A ruins B. □

While Obliteration[37] is just Formal Ruination, the ease of using this alternate perspective that it provides allows us to uncover a conspiracy hidden deep in each one of our hearts and minds.

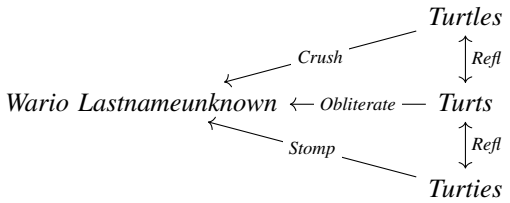
Proposition C.3. *The following diagram[13] commutes[13] for Obliteration:*



Proof. We hold this truth to be self-evident[23]. □

While, horifically and conversely:

Proposition C.4. *The following diagram[13] commutes[13] for Obliteration:*



Proof. Trivial, from prior[38] result[24]. □

Note that these two diagrams[13] are *the same* if the direction of the arrows[13] are flipped. Given the typical construction of the category[13] **Oblit** in light of the Fistfight Isomorphism, we could even say that, up to[13] the canonical contravariant[13] functor[13] **Oblit** $\to$ **Oblit**$^{\text{op}}$, Mario Mario *is* Wario Lastnameunknown. The contravariancy inherent in this statement's contingencies persuades us to re-inspect this notion. What we're really getting at is that Wario Lastnameunknown is Mario Mario's *opposite*. For lack of better terminology, we provide the following definition:

Definition C.5. *For every object*[13] A *in a category*[13] C*, we define the set of objects*[13] *wa-A in C^{op} by distinguishing the objects*[13] *in C^{op} equal to A up to the canonical contravariant*[13] *functor*[13] $C \to C^{op}$.

And, for consistency, we provide this complementary definition:

Definition C.6. *For every object*[13] A *in a category*[13] C *where wa-A exists, ma-$A = A$.*

Corollary C.7. *Wa- is involutive.*

Proof. Makes sense to me. □

Corollary C.8. *All elements of the set of wa-objects[13] are equal.*

Proof. Given A, B, C where $B, C \in$ wa-A. Then wa-$B =$ wa-$C = A$. As wa-wa-$B = B$ and wa-$B =$ wa-C, wa-wa-$C = B$ so $C = B$. □

Thus, we treat any wa-A as a single object, rather than a set.

We continue to declare a few, key facts we may trivially determine from these formalizations:

- Waluigi is the opposite of Luigi.
- Mario[25] is Rio[26].
- A wawanut is just a nut.
- Mathematicians turn waffee into theorems.
- Wathematicians turn watheorems into ffee.
- The Philadelphia[39] chain Wawa does not exist.

Unfortunately, this avenue of study is useless and a dead end. In my 2 minutes of thinking of any use for this concept,

[34] By Tascheter's Totally Wicked Totality Theorem, if there is some y that isn't ruined by s, it must ruin s.

[35] In true categorical[13] fashion, the most-used results are lemmas.

[36] Also known as the *Tascheter–Hegel Correspondence*, *Fights-as-Ruins*, and *Ruinmental Twonitarianism*.

[37] Also referred to as *Crushing* or *Stomping*.

[38] Read: *unreleased*.

[39] Suck it, Yinzers.

I had absolutely zero ideas.[40] I wholeheartedly discourage anybody from looking into this further. In fact, please excise this appendix from your local copy of the proceedings and burn it.[41]

Notice 1. *This appendix has been retconned.*

APPENDIX C
SMALL RIGS: OVER THE RUIN PROVING

At this point, you may be thinking "So, did they stop with the Category[13] Theory?[35] Haven't seen any for a while." Or, maybe, "Oh god, not this bit again. Please don't bring up Brain-teeth." Worry not, reader, for we are about to metaphorically "dive" back into the frey!

Corollary C.1 (Tascheter–Rumbletumble Corollary of Maximum Ruination)**.** *There is a final*[13] *object*[13] *in* **Ruin**.

Proof. By Corollary B.6, $\mathfrak{R}$ under Formal Ruinment has a maximum element. Thus, there is an object[13] F in **Ruin** that has a morphism[13] to every object[13] in the category[13]. F is, then, a final[13] object[13]. □

This corollary has fundamental results in Ruination Theory. There is something, somewhere, that *everything* has ruined.[36] Our good friend and reviewer Owen Rumbletumble postulates that this may be the Olympics[27], [37] however a proof of exactly *what* it is is outside the scope of this paper.[38]

Theorem C.2. *Finite products*[13] *and coproducts*[13] *exist in* **Ruin**.

Proof. $\forall A, B \in \mathfrak{R}$ construct the sets $P = \{p \in \mathfrak{R} : p \succ A \wedge p \succ B\}$ and $S = \{s \in \mathfrak{R} : A \succ s \wedge B \succ s\}$. We note that P has a unique maximum and S a unique minimum up to isomorphism[13] [39] due to Corollary B.6. These elements are, then, the product[13] and coproduct[13] of A and B by definition. □

Corollary C.3. $\mathfrak{R}$ *forms a lattice under products*[13] *and coproducts*[13].

Proof. Any poset under categorical[13] products[13] and coproducts[13] (Theorem C.2) forms a lattice[28]. □

We call the product[13] over this lattice (the meet) *Maceration*[40] and the coproduct[13] operation (the join) *Victimization*.[41] And, we shall now formalize these definitions:

Definition C.4 (Maceration)**.** *Maceration is the product[13] in* **Ruin**.

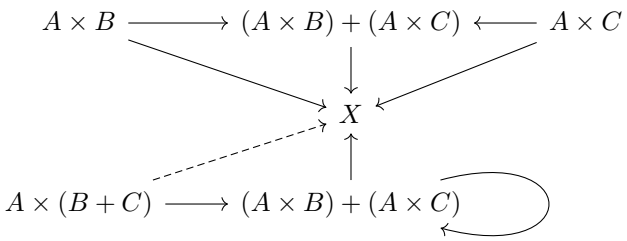
Definition C.5 (Victimization)**.** *Victimization is the coproduct[13] in* **Ruin**.

For intuition's sake,[42] we give the following lexical shorthands: the macerator of $A, B \in \mathfrak{R}$ (where A and B are the macerates) is something that ruins both A and B, but is ruined by all other things that also ruin A and B. The victim of A and B (where A and B are the victimators) is something that both A and B ruins, which also ruins everything else that A and B also ruins.

Lemma C.6. *Maceration distributes over victimization.*

Proof. Denote maceration as $\times$ and victimization as $+$. Then, for distributivity to hold, $\forall A, B \in \mathfrak{R} : A \times (B + C) = (A \times B) + (A \times C)$. We know that either $A \times (B + C) \succ (A \times B) + (A \times C)$, $(A \times B) + (A \times C) \succ A \times (B + C)$, or both when equal (Tascheter's Totally Wicked Totality Theorem). We define $L = A \times (B + C)$ and $R = (A \times B) + (A \times C)$, then split based on whether the first or second statement is true:

$L \succ R$**:** Then R must be the victim of L and itself:



By the Ruinment-as-fistfights interpretation of the Fistfight Lemma, this implies that R intentionally lost, thus stripping L of a true victory.[43] Therefore, L didn't truly win, and so $R \succ L$. By the Strong Waldstricher–Equivalence of Formal Ruinment, $L = A \times (B + C) = (A \times B) + (A \times C) = R$.

$R \succ L$**:** Then, by transitivity of Ruinment (Proposition II.6), $R \succ A$ and $R \succ (B + C)$. As L is the macerator of A and $B + C$,[44] this results in a contest for the throne of L. R attempts to take over the position of macerator, [45] eventually and inevitably failing due to the entrenched power of L.[46] Thus, in a second coming [47] of Wilhelm Georg "Heg-Man" "Dr. H" Hegel[29], $L \succ R$, and so by the Strong Waldstreicher–Equivalence of Formal Ruinment, $L = A \times (B + C) = (A \times B) + (A \times C) = R$. □

Theorem C.7. *Maceration and victimization form a rig over* $\mathfrak{R}$*, with respective identities of the Olympics (Used as placeholder due to the Rumbletumble Postulate) and Adam Conover.*

Proof. First, note that the join and meet of a lattice (Corollary C.3) are associative and commutative, that the initial[13]

[40] Don't think I could fit it into my abstract either.

[41] You $\xrightarrow{\text{obliterate}}$ SIGBOVIK 2022 Conference Proceedings

[35] 'Did they just cite my own words?'

[36] I will withold the jokes, as this is extremely serious.

[37] I was lying.

[38] Read: a book.

[39] Well, I know what *this* means at least.

[40] We also suggest the alternate names of *Macerment*, *Mutilation*, *Mutilment*, and *TwoBirdsOneStoning*.

[41] Or *Double Homicide*.

[42]

[43] Egads!

[44] Thesis.

[45] Antithesis.

[46] Synthesis.

[47] Zounds!

object[13] is the identity of the coproduct[13], and that the final[13] object[13] is the identity of the product[13] (Theorem C.2. Then, victimization and maceration must form monoids. Further, victimization is a Mathematical[48] monoid. As maceration further distributes over victimization (Lemma C.6), they form a rig. □

Theorem C.8. Ruin *is a distributive, and thus rig, category*[13].

Proof. Trivially, by Theorem C.2, Corollary C.3, and Lemma C.6. □

APPENDIX D
PERHAPS THE MOST UNUSUAL RESULT EVER TO COME FROM RUINATION THEORY

And, so, we finally reach what is perhaps the most unusual result ever to come from Ruination Theory:

A. What is Perhaps the Most Unusual Result Ever to Come from Ruination Theory

Declaration 1 (Perhaps the Most Unusual Result Ever to Come from Ruination Theory)**.** *We're all complex.*[49] *:)*

Proof. We may treat all objects[13] in a rig category[13] as complex numbers as long as certain[50] conditions are met[31]. As every person is an object[13][51] in **Ruin**, every person is complex. □

Almost as complex as an orange.

Exercise 6. *Eat an orange. You deserve it.*

REMEMBER TO WRITE ABSTRACT!

REFERENCES

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