

A Pretty Great Thing: Or, Why You Should Hire Me

Luke Renaud, *Student Member, IEEE*, Your Labmate, Your Professor, *Senior Member, IEEE*,

Abstract—Cras ut justo quis dui dignissim feugiat. Quisque dapibus, nisl id maximus hendrerit, enim neque ullamcorper nisl, in vulputate orci magna at ex. Aliquam lacinia neque augue, sit amet elementum ex ullamcorper vitae. Sed finibus, erat a porta lacinia, augue velit pretium justo, sit amet blandit enim arcu vel erat. Quisque turpis nisl, dictum non tellus iaculis, gravida aliquet lorem. **Curabitur eget rutrum nunc.** In hac habitasse platea dictumst. Nulla consequat augue ac elit vulputate scelerisque. Etiam rutrum, mauris semper tempor consectetur, quam est hendrerit leo, ut tristique sem lacus quis magna. Praesent vestibulum orci libero, vel dignissim urna tristique ut. Etiam interdum fringilla justo ultrices molestie. Quisque rutrum vestibulum blandit. Vivamus rutrum convallis nisi ut porta. Pellentesque ex dolor, condimentum ullamcorper fringilla sit amet, fermentum quis velit. Nam nec orci bibendum, aliquam turpis ut, feugiat nisl. Maecenas finibus orci non purus fermentum tincidunt.¹

Index Terms—TBD

I. INTRODUCTION

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II. THEORY OF OPERATION

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¹Compiled on August 8, 2018 at 14:59

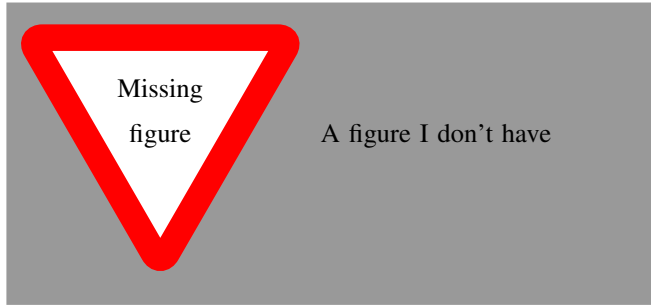


Fig. 1. I really should put something here.

A. Preventing Nuclear War

Hello?... Uh... Hello D– uh hello Dmitri? Listen uh uh I can't hear too well. Do you suppose you could turn the music down just a little?... Oh-ho, that's much better... yeah... huh... yes... Fine, I can hear you now, Dmitri... Clear and plain and coming through fine... I'm coming through fine, too, eh?... Good, then... well, then, as you say, we're both coming through fine... Good... Well, it's good that you're fine and... and I'm fine... I agree with you, it's great to be fine... a-ha-ha-ha-ha... Now then, Dmitri, you know how we've always talked about the possibility of something going wrong with the Bomb... The *Bomb*, Dmitri... The *hydrogen* bomb!... Well now, what happened is... ahm... one of our base commanders, he had a sort of... well, he went a little funny in the head... you know... just a little... funny. And, ah... he went and did a silly thing... Well, I'll tell you what he did. He ordered his planes... to attack your country... Ah... Well, let me finish, Dmitri... Let me finish, Dmitri... Well listen, how do you think I feel about it?... Can you *imagine* how I feel about it, Dmitri?... Why do you think I'm calling you? Just to say hello?... *Of course* I like to speak to you!... *Of course* I like to say hello!... Not now, but anytime, Dmitri. I'm just calling up to tell you something terrible has happened... It's a *friendly* call. Of course it's a friendly call... Listen, if it wasn't friendly... you probably wouldn't have even got it... They will *not* reach their targets for at least another hour... I am... I am positive, Dmitri... Listen, I've been all over this with your ambassador. It is not a trick... Well, I'll tell you. We'd like to give your air staff a complete run-down on the targets, the flight plans, and the defensive systems of the planes... Yes! I mean i-i-i-if we're unable to recall the planes, then... I'd say that, ah... well, ah... we're just gonna have to help you destroy them, Dmitri... I know they're our boys... All right, well listen now. Who should we call?... *Who* should we call, Dmitri? The... wha-whe, the People... you, sorry, you faded away there... The People's Central Air Defense Headquarters... Where is that, Dmitri?... In Omsk... Right... Yes... Oh, you'll call them first, will you?... Uh-huh... Listen, do you happen to have the phone number on you, Dmitri?... Whe-ah, what? I see, just ask for Omsk information... Ah-ah-eh-uhm-hm... I'm sorry, too, Dmitri... I'm very sorry... *All right*, you're sorrier than I am, but I am as sorry as well... I am as sorry as you are, Dmitri! Don't say that you're more sorry than I am, because I'm capable of being just as sorry as you are... So we're both sorry, all right?... All right.

B. Subsection in Red

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$$\angle H_x(\delta, \gamma, G_x) = \frac{\pi}{2} - \arctan \left[\frac{1}{Q} \frac{(1 + \delta)}{1 - (1 + \delta)^2(1 + \gamma)} \right] \quad (1)$$

$$|H_x(\delta, \gamma, G_x)| = \frac{g_{m,x}}{G_x} \times \frac{|1 + \delta|}{\sqrt{(1 + \delta)^2 + Q^2 [1 - (1 + \delta)^2(1 + \gamma)]^2}} \quad (2)$$

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III. EXAMPLE SECTION

One, our hopes for recalling the 843rd bomb wing are quickly being reduced to a very low order of probability.

Two, in less than fifteen minutes from now the Russkies will be making radar contact with the planes.

Three, when the do, they are going to go absolutely ape, and they're gonna strike back with everything they've got.

This is clearly not english.

Four, if prior to this time, we have done nothing further to suppress their retaliatory capabilities, we will suffer virtual annihilation.

Now, five, if on the other hand, we were to immediately launch an all out and coordinated attack on all their airfields and missile bases we'd stand a damn good chance of catching them with their pants down. Hell, we got a five to one missile superiority as it is. We could easily assign three missiles to every target, and still have a very effective reserve force for any other contingency.

Now, six, an unofficial study which we undertook of this eventuality, indicated that we would destroy ninety percent of their nuclear capabilities. We would therefore prevail, and suffer only modest and acceptable civilian casualties from their remaining force which would be badly damaged and uncoordinated.

IV. CONCLUSION

Mr. President, it is not only possible, it is essential. That is the whole idea of this machine, you know. Deterrence is the art of producing in the mind of the enemy... the **fear** to attack. And so, because of the automated and irrevocable decision-making process which rules out human meddling, the Doomsday machine is terrifying and simple to understand... and completely credible and convincing.

And! you really should go watch this movie.

REFERENCES

[1] D. Smith, "This paper has no title if im still here you arent ready to publish if im still here you aren't ready to publish if im still here you arent ready to publish," *The Journal of Foo Bar*, 2018.



Luke Renaud (S13) received the B.S. in Electrical Engineering *summa cumme laude* with a from Washington State University in Pullman, WA in 2013. He is currently pursuing a Ph.D. in RF Microelectronics from Washington State University, Pullman, WA.

If you're reading this paragraph as a reviewer, then the person who submit the paper has forgotten to remove my template BIO from their document. You really should reject their paper, that's pretty sloppy.

Your Labmate Bio paragraph

Your Professor Bio paragraph

- Initial Outline:
- introduction/background
 - existing topologies
 - challenges and characteristics **[elaborate]**
 - block diagram overview
 - design discussions (theory)
 - Control Overview
 - Measurement results
 - Conclusion

- Remaining TODO items:
- update biographies
 - align final biographies properly (last step before submitting.)
 - a random note to myself

TODO LIST		
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