Computerised Reasoning The "dark side" of Al

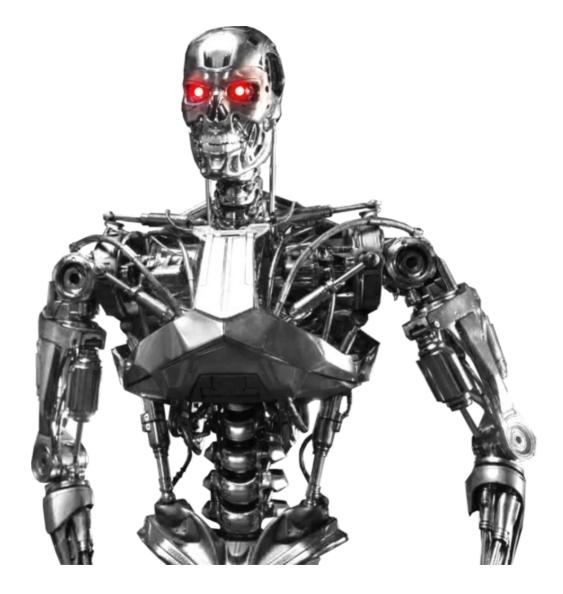
Cosimo Perini Brogi IMT Lucca



Bright Side

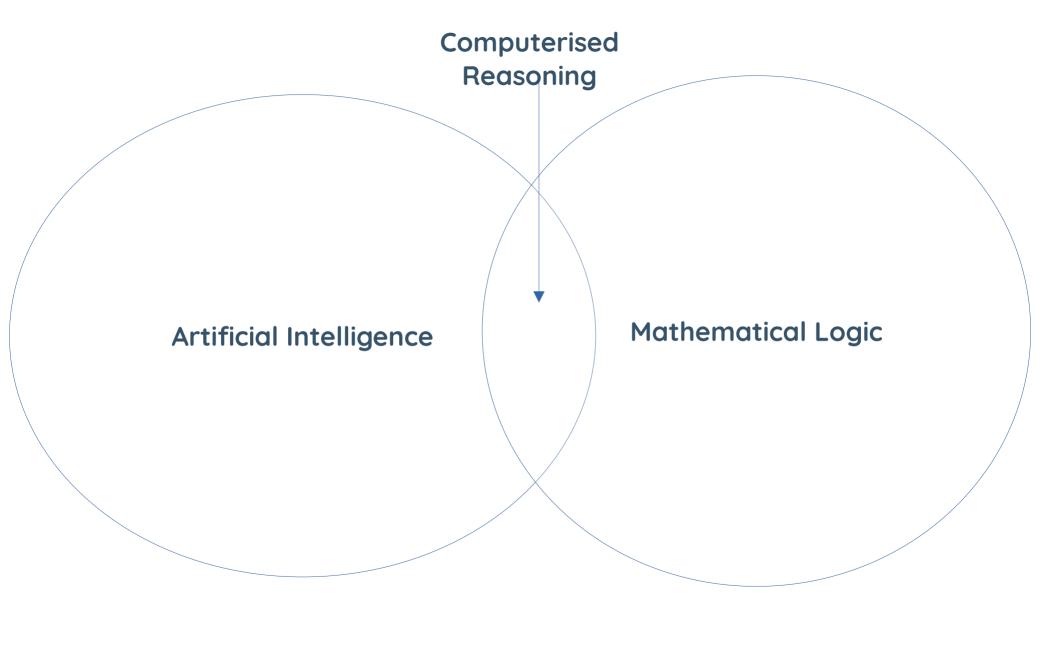


Prompt by JPxG, model by Boris Dayma, upscaler by Xintao Wang, Liangbin Xie et al. (Apache License 2.0 http://www.apache.org/licenses/LICENSE-2.0 or BSD http://opensource.org/licenses/bsd-license.php), via Wikimedia Commons



Dark Side

Useremet, CC BY-SA 4.0 https://creativecommons.org/licenses/by-sa/4.0, via Wikimedia Commons



Al

- Self-driving cars
- Excellent GO players
- Shopping assistants
- Graphics/image generators
- Online chats
- Homework "assistants";-)

- ...

Mathematical Logic

- Math is incomplete:-O
- You cannot trust any antivirus
- Did you check the double-check?
- Most "heroes" got nuts

... BUT ALSO ...

Explore content >

About the journal ∨

Publish with us Y

Subscribe

nature > news > article

NEWS | 18 June 2021

Mathematicians welcome computer-assisted proof in 'grand unification' theory

Proof-assistant software handles an abstract concept at the cutting edge of research, revealing a bigger role for software in mathematics.

Davide Castelvecchi









Since 2013

- Granitic proofs of complex math theorems
- Bug-free coding (by design)
- Cryptography, 100% secure
- Computer-checked bio-chemical systems
- ... what's next?



"There is no dark side in the [AI] really. Matter of fact, it's all dark"

Thank You! Questions?

