



# Laboratoire d'Électrotechnique et d'Électronique de Puissance de Lille

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## Theorem

*There is no largest prime number.*

- 1 Suppose  $p$  were the largest prime number.
- 2
- 3
- 4 But  $q + 1$  is greater than 1, thus divisible by some prime number not in the first  $p$  numbers.

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## Theorem

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- 2 Let  $q$  be the product of the first  $p$  numbers.
- 3 Then  $q + 1$  is not divisible by any of them.
- 4 But  $q + 1$  is greater than 1, thus divisible by some prime number not in the first  $p$  numbers.

## Frame title 2

3

### Frame subtitle 2

- one
- two

# Conclusion

[1, 2, 3]

- [1] D.C. Jiles and D.L. Atherton. “Theory of ferromagnetic hysteresis”. In: *J. Appl. Phys.* (1984).
- [2] G. Bertotti. *Hysteresis in Magnetism*. 1998. ISBN: 978-0-12-093270-2.
- [3] C.P. Steinmetz. “On the law of hysteresis”. In: *Proc. IEEE* vol. 72, no. 2 (1984).