



FACULTY OF ELECTRICAL department  
ENGINEERING of telecommunications  
AND COMMUNICATION

# Title of Student's Thesis

## Semestral Project

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- Study
- Describe
  - the studied
- Implement
  - older
  - new
- Compare, evaluate
  - results

The key tool in this thesis is the Euler formula

$$e^{jx} = \cos x + j \sin x$$

The Euler identity is the special case of the above, with  $x = \pi$ :

Euler identity

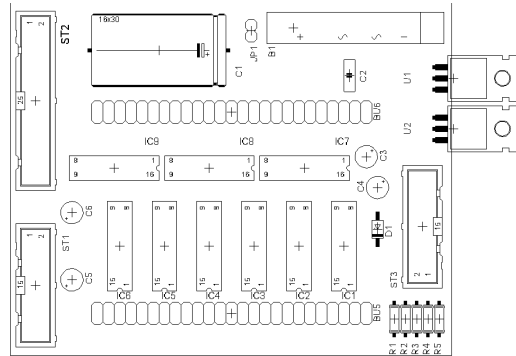
$$e^{j\pi} = \cos \pi + j \sin \pi,$$

from which it follows that

$$e^{j\pi} + 1 = 0.$$

Depicted model contains:

- Board
- Signals
- Battery



Tab. 1: Results of measurement in mobile networks

Technology	Speed, download [kB/s]	Speed, upload [kB/s]
GPRS (2,5G)	7,2	3,6
UMTS 3G	48	48
HSPA (3,5G)	1 706	720
LTE (4G)	40 750	10 750

...

Thank you for your attention!

*Is there some relationship between your formula (1.2) and integral Maxwell equations?*

Well, yes, it might be...