Bežični prenos električne energije

Dobrivoje Vujović, Mila Gligorić, Boris Perić, Milan Petrović

Matematički fakultet Univerziteta u Beogradu

25. decembar 2022.

Literatura

- https://www.britannica.com/science/standing-wave-physics
- W. Bernard Carlson. Tesla: Inventor of the electrical age. Princeton University Press, 2013
- Emmanuel Chukwujioke: Wireless power transfer: The future. International Journal of Scientific and Engineering Research, 2015.
- A. David Wunsch: Nikola tesla's true wireless: A paradigm missed [scanning our past]. Proceedings of the IEEE, 106:1115–1123, 2018.
- John B. Kennedy. Collier magazine, 1926.
- https://siyss20.ungaforskare.se/Mengyang.li_report.pdf
- Castellanos University of York Moore, Julian. Applications of wireless power transfer in medicine: State-of-the-art reviews. Journal of biomedical optics, 2019.
- https://blog.ossia.com/
 how-real-wireless-power-will-enable-a-more-sustainable-future



Sadržaj

Uvod

- Neefikasan prenos električne energije
- Visoka cena distribucije energije
- Krađa struje

Istorija i pioniri

- Amper veza struje i magneta
- Maksvelove jednačine
- Teslini pokušaji
- Braunova letelica na mikrotalasni pogon
- NASA-in laserski avion

Princip rada

- ..
- ...
- ..

Načini prenosa

- ..
- ...
- ..

Primene

- ...
 - ..
- ..

Zaključak

- Potencijal da promeni planetu
 - Prenos energije mikrotalasnim putem
 - Nove mogućnosti za istraživanje svemira