D:\DATA\Tom\MyData\TFSoft\projekty-02-rozpracovane\GYM-Policka\009-EXPOZ-sablony-prac_listy_a_navody\logo EXPOZ.emfFyzika – úloha č. 14

Autor: Jan Sigl

Číslo: Téma:

Jméno a příjmení: Datum: Třída:

Skupina č. : Spolupracoval:

Zatěžovací charakteristika zdroje

Vizualizace naměřených dat

Tabulky naměřených hodnot elektrického napětí a proudu:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  | | --- | --- | --- | | monočlánek 1,5 V | | | | U (V) | I (A) | P (W) | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | |  |  |  | | --- | --- | --- | | plochá baterie 1,5 V | | | | U (V) | I (A) | P (W) | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | |  |  |  | | --- | --- | --- | | článek 9 V | | | | U (V) | I (A) | P (W) | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |

Grafy:

monočlánek 1,5 V

|  |  |
| --- | --- |
| Zatěžovací charakteristika | Graf závislosti výkonu na elektrickém proudu |
|  |  |

plochá baterie 4,5 V

|  |  |
| --- | --- |
| Zatěžovací charakteristika | Graf závislosti výkonu na elektrickém proudu |
|  |  |

článek 9 V

|  |  |
| --- | --- |
| Zatěžovací charakteristika | Graf závislosti výkonu na elektrickém proudu |
|  |  |

Vyhodnocení naměřených dat

Zatěžovací charakteristika monočlánku 1,5 V:

Ue = V Ri =  Ik = A

Graf závislosti výkonu na proudu monočlánku 1,5 V:

Ue = V Ri =  Ik = A

Pmax = W při ** = %

Zatěžovací charakteristika ploché baterie 4,5 V:

Ue = V Ri =  Ik = A

Graf závislosti výkonu na proudu ploché baterie 4,5 V:

Ue = V Ri =  Ik = A

Pmax = W při ** = %

Zatěžovací charakteristika článku 9 V:

Ue = V Ri =  Ik = A

Graf závislosti výkonu na proudu článku 9 V:

Ue = V Ri =  Ik = A

Pmax = W při ** = %

Závěr