

Magnetizacni charakteristiky

Purpose

Magnetizacni charakteristiky ruznych mterial .

Data

*: Magnetizacni charakteristiky

*SYSTEM;

: Transformatorovy plech Tloušky 0,35 E13 verze 2

MagCharPlechE13 /TAB/

: H [A/m]	B [T]
0.0,	0.00,
12.0,	0.20,
13.5,	0.25,
15.5,	0.30,
17.0,	0.35,
18.5,	0.40,
19.5,	0.45,
20.5,	0.50,
21.5,	0.55,
22.5,	0.60,
23.5,	0.65,
24.5,	0.70,
25.0,	0.75,
26.0,	0.80,
27.0,	0.85,
28.0,	0.90,
31.0,	1.00,
32.0,	1.05,
34.0,	1.10,
37.0,	1.15,
40.0,	1.20,
43.0,	1.25,
49.0,	1.30,
55.0,	1.35,
65.0,	1.40,
75.0,	1.45,
97.0,	1.50,
125,	1.55,
180,	1.60,
400,	1.70,
1100,	1.80,
3300,	1.90,
10000,	1.99;

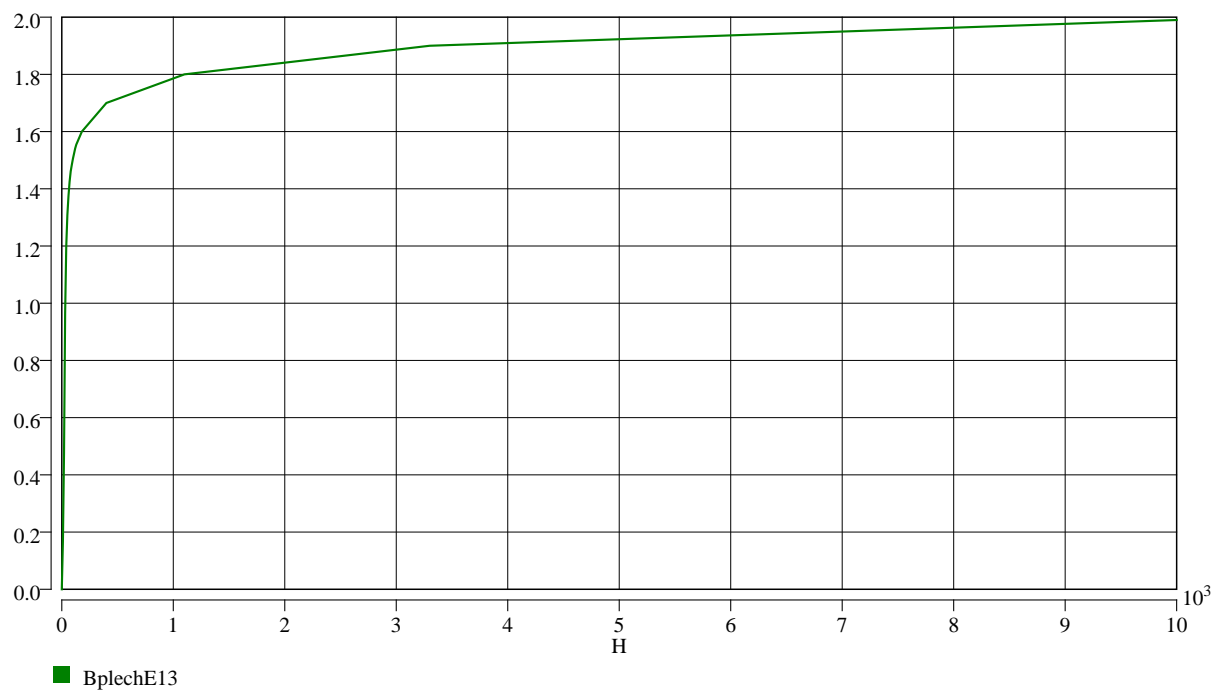
H=TIME;

```
: B = mi*H
BplechE13=MagCharPlechE13(H);

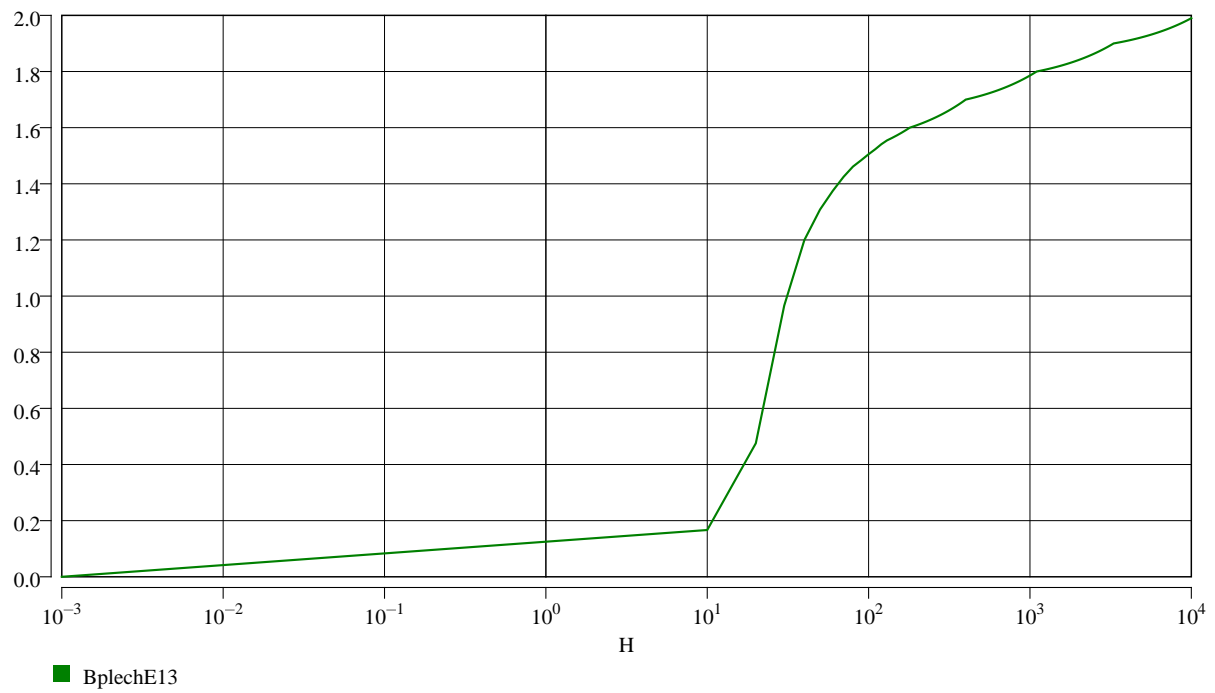
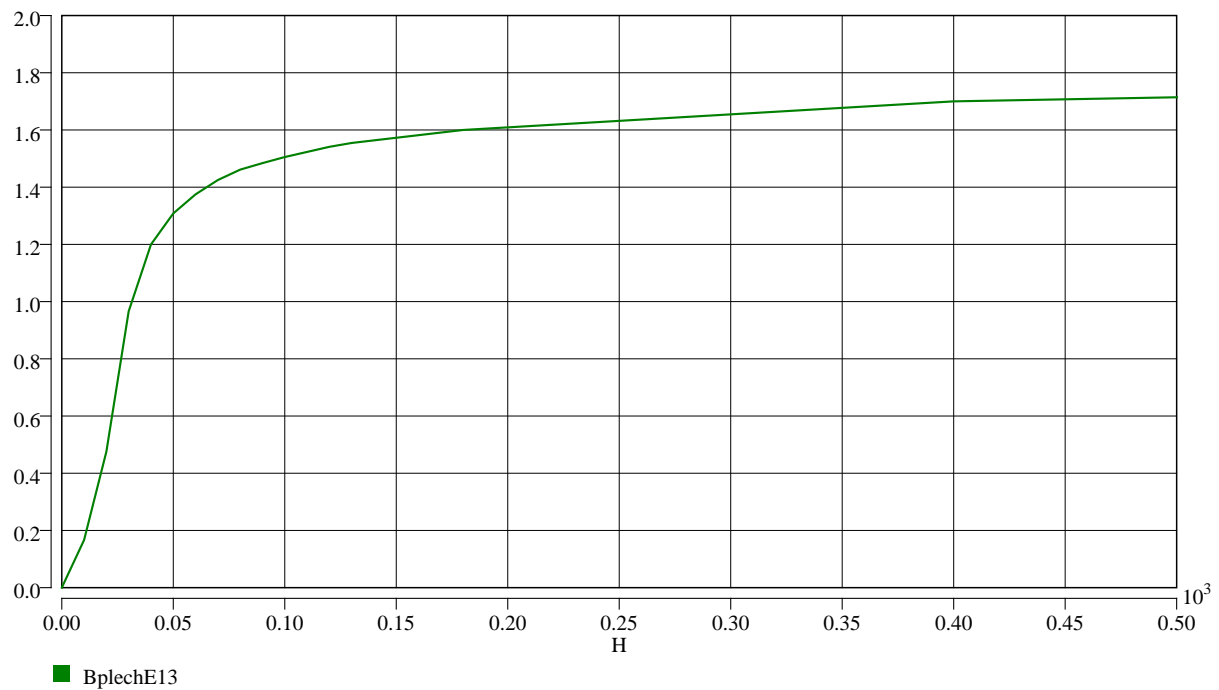
: Rm = H / B
RplechE13=H/BplechE13;

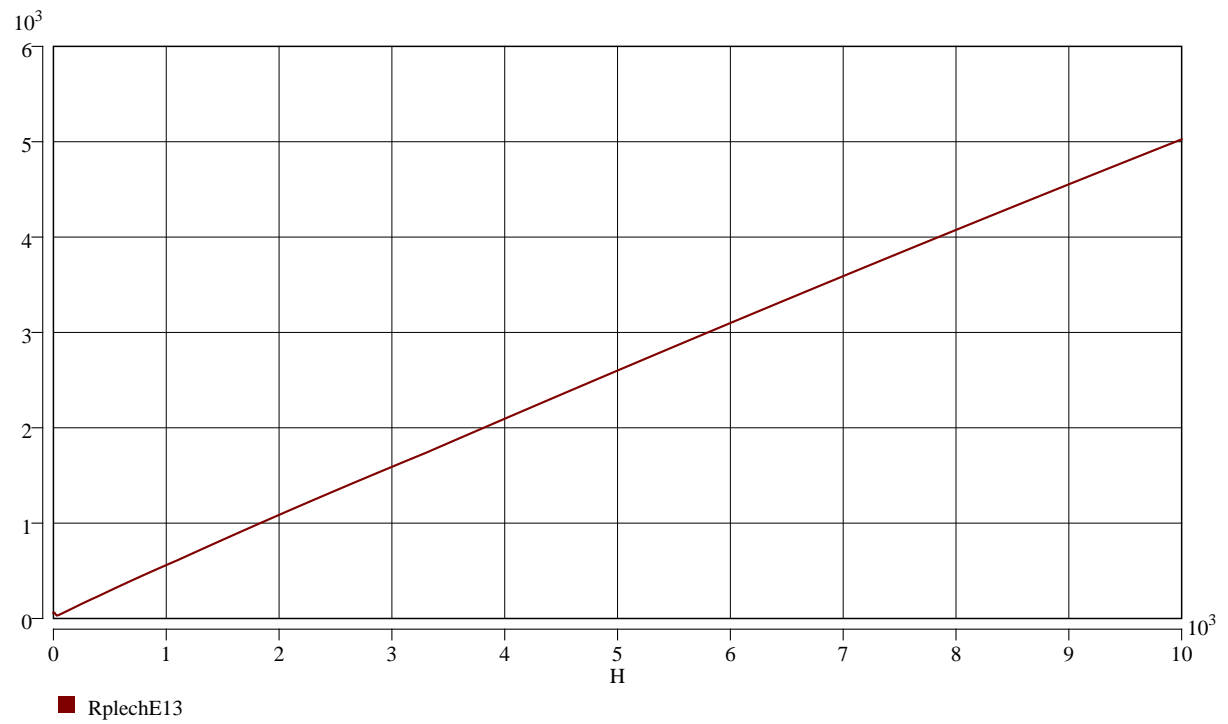
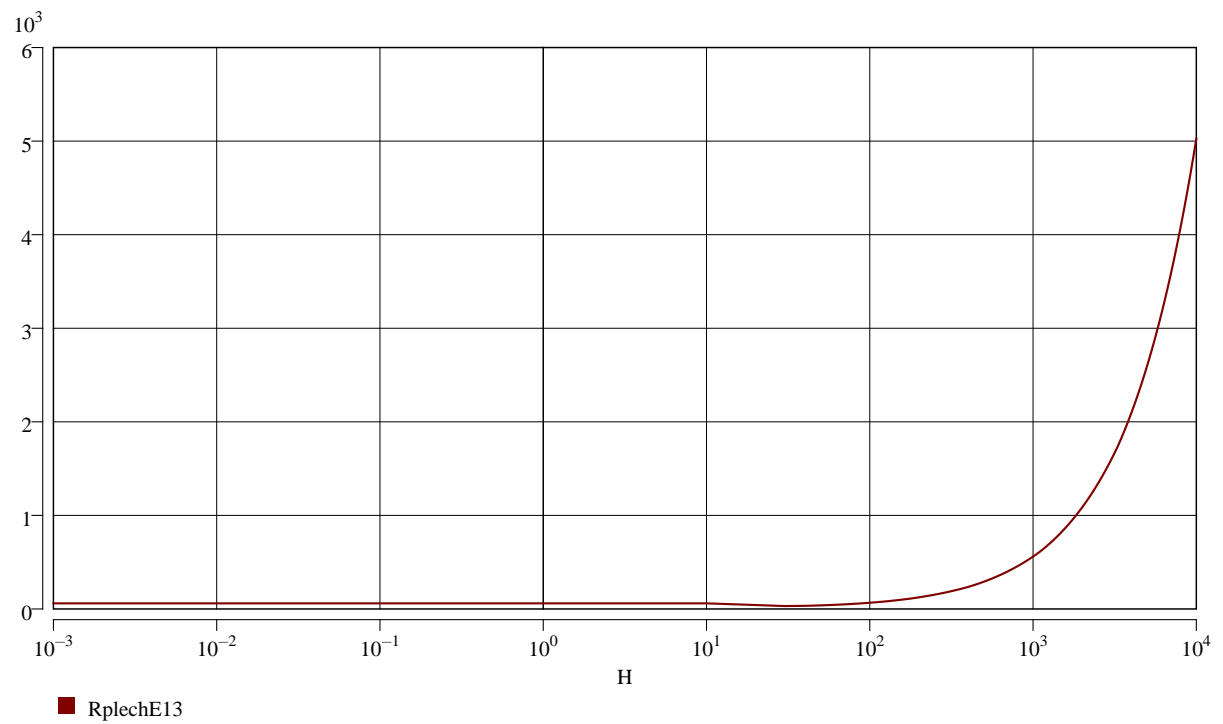
: Permeabilita = B / H = 1 / Rm
Perm = 1/RplechE13;

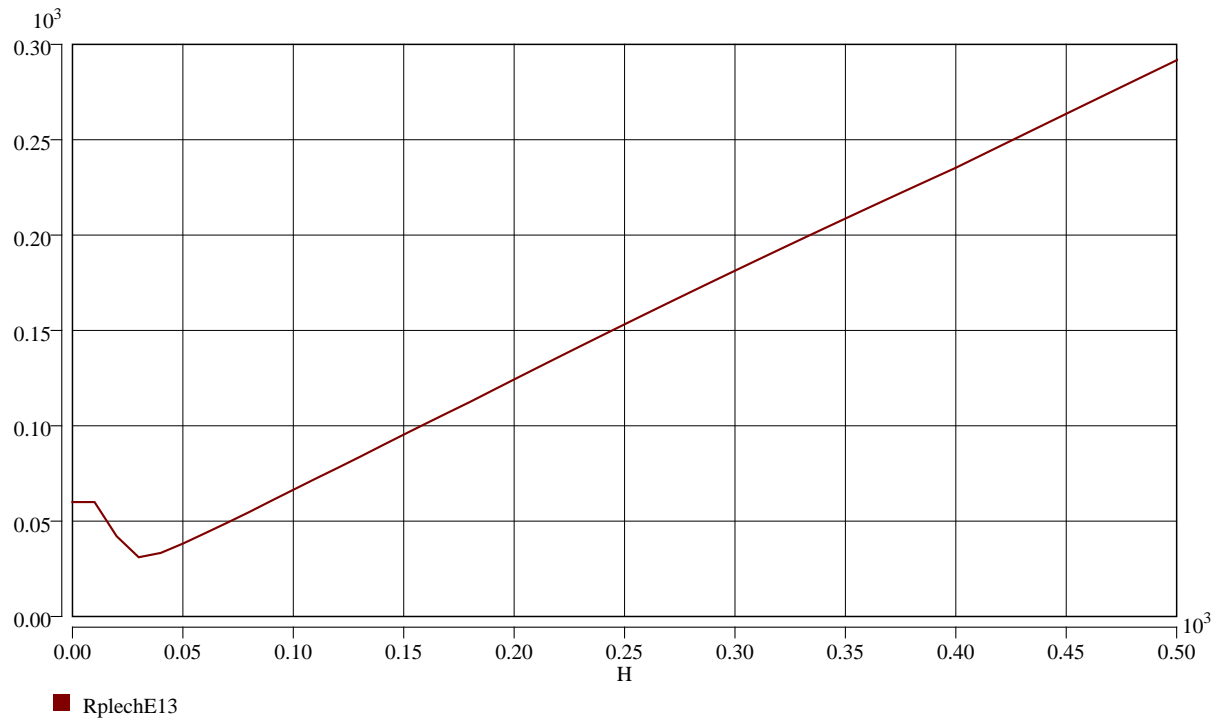
*TR;
TR 0.001 10000;
PRINT(1001) H, BplechE13, RplechE13, Perm;
RUN;
*END;
```



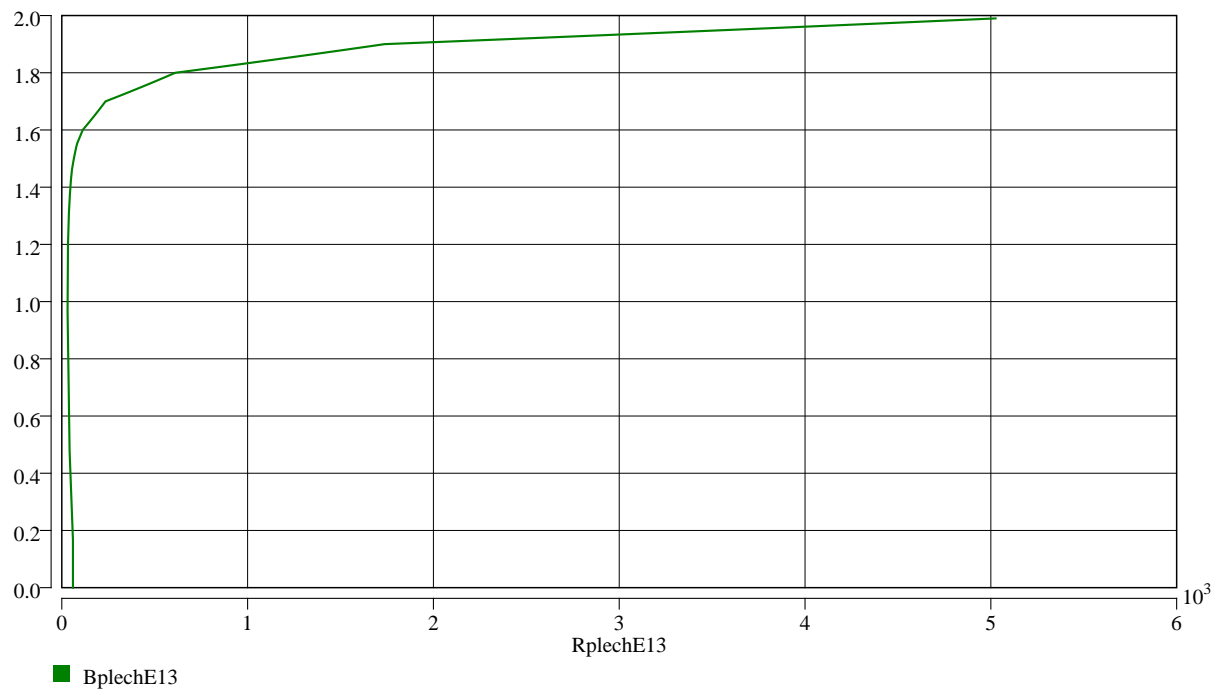
Závislost B na H

Závislost B na H - logaritmické mřížkoZávislost B na H - detail 0 až 500 A/m

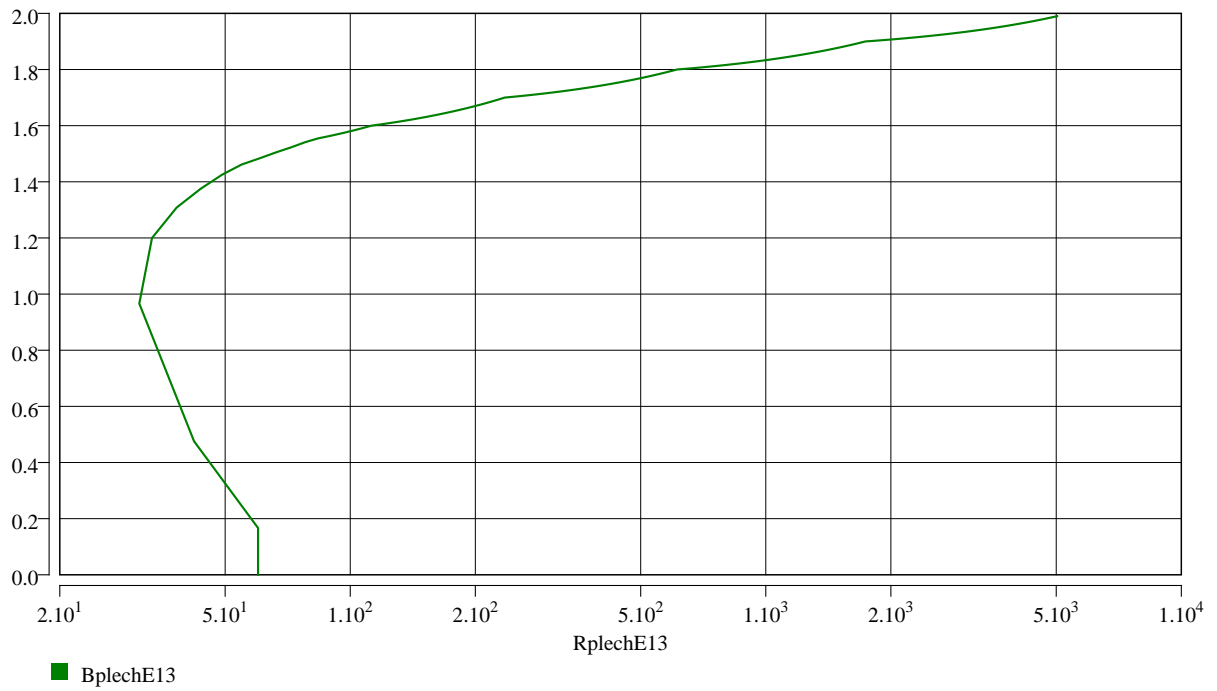
Závislost R_m na H Závislost R_m na H - logaritmické měřítko



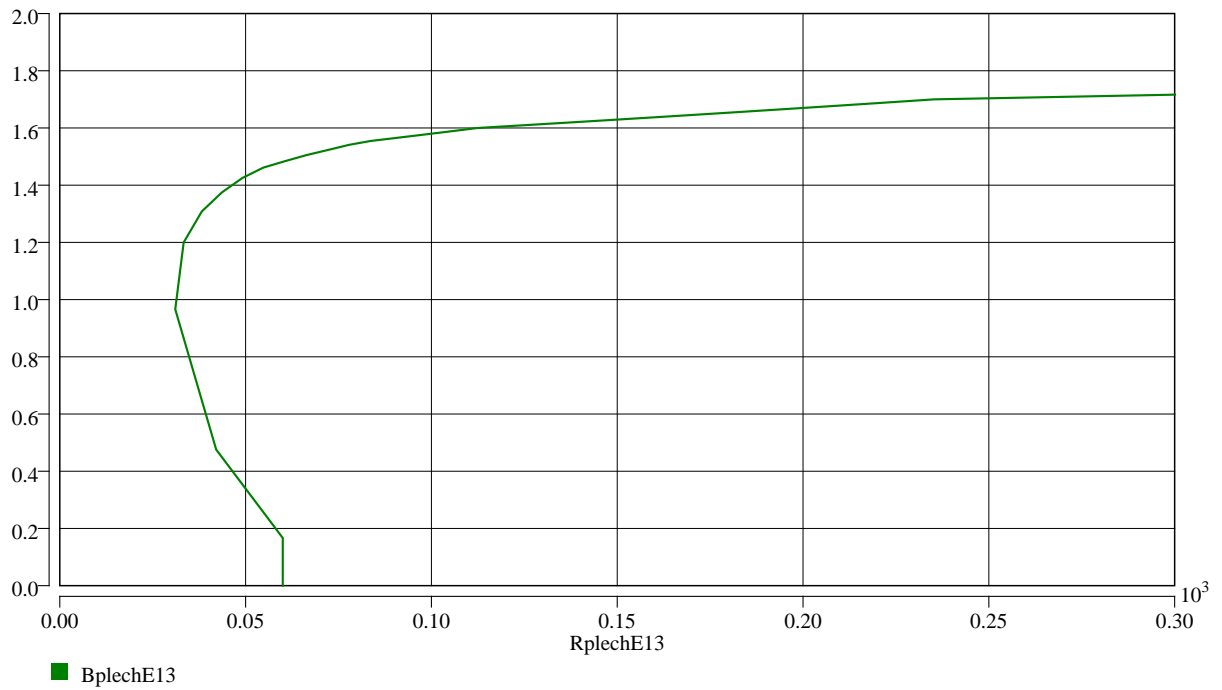
Závislost R_m na H - detail 0 až 500 A/m



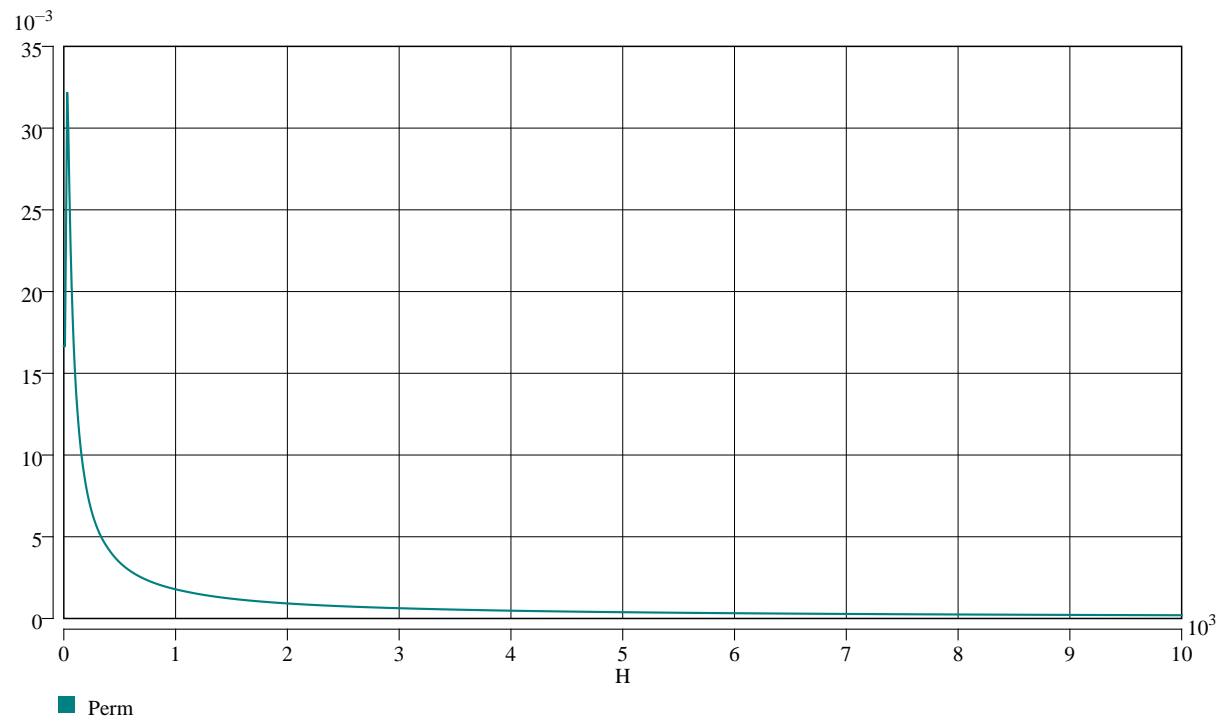
Závislost B na R_m



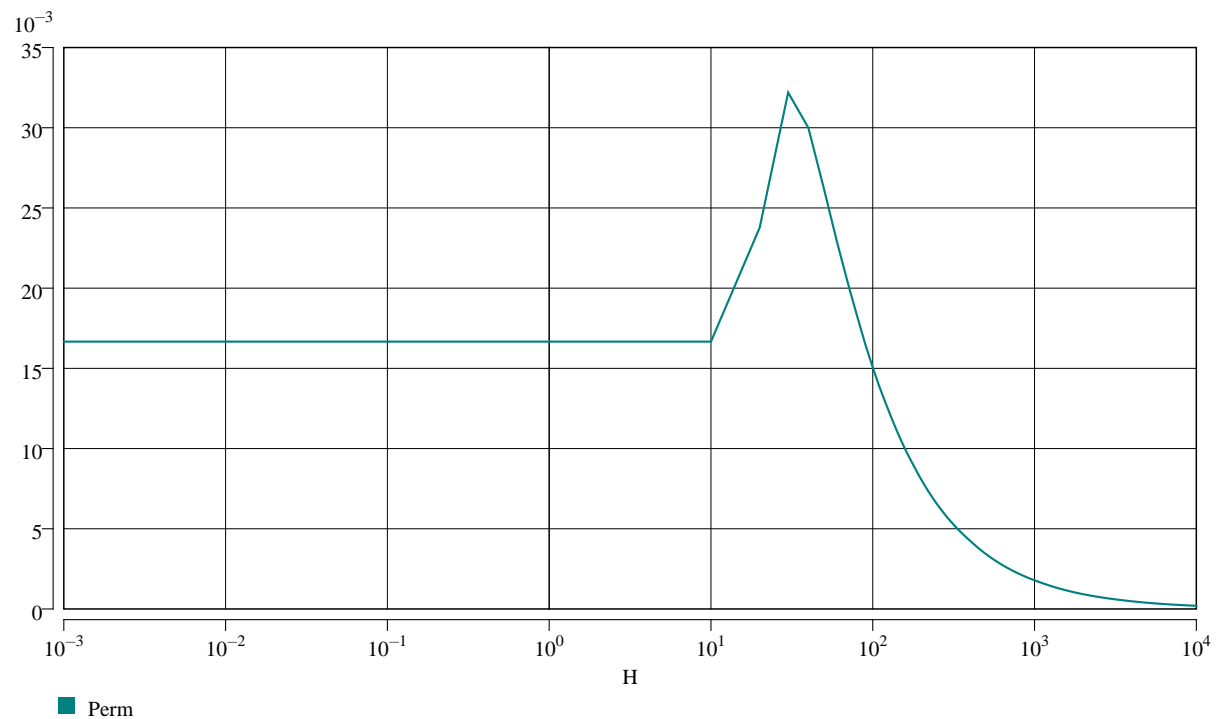
Závislost B na R_m - logaritmické mřížko



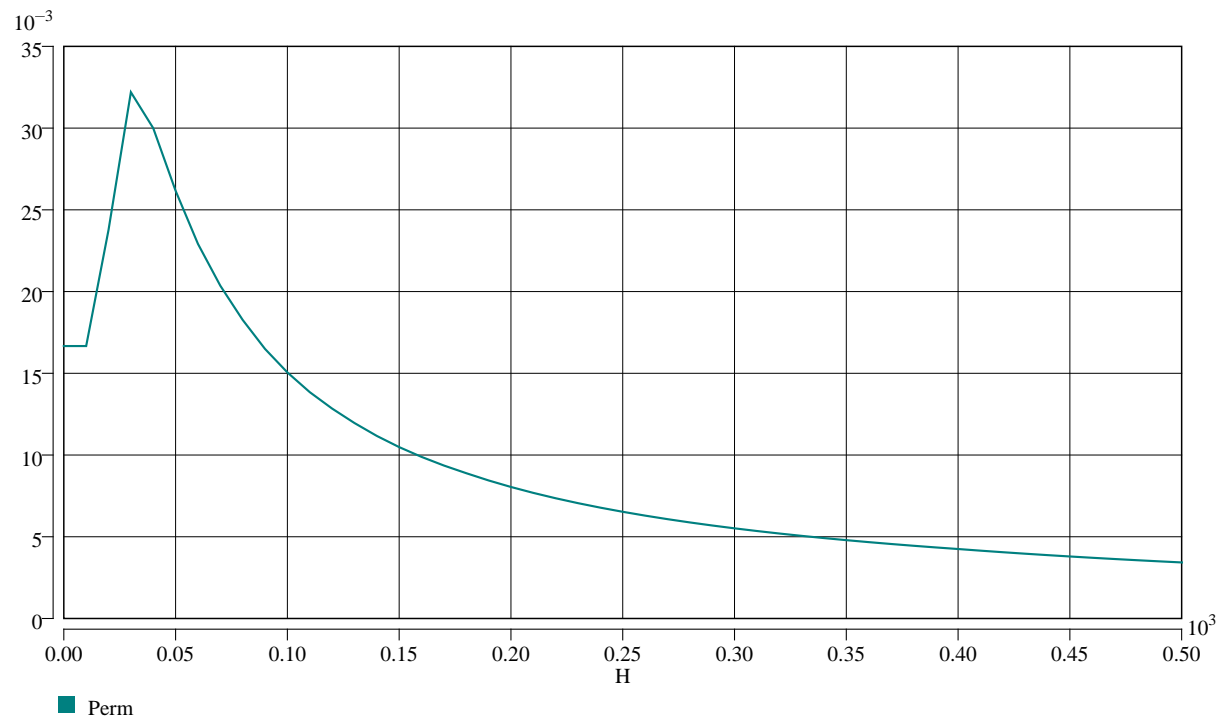
Závislost B na R_m - detail



Závislost Permeability na H



Závislost Permeability na H - logaritmicke m ítko



Závislost Permeability na H - detail 0 až 500 A/m

Origin

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Last Update

November 8, 2016