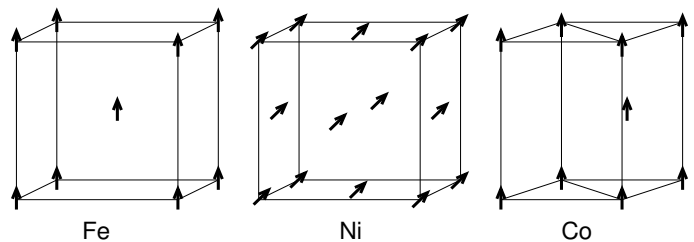


Magnet-Materialien (Forts.)**2. Anwendungen**

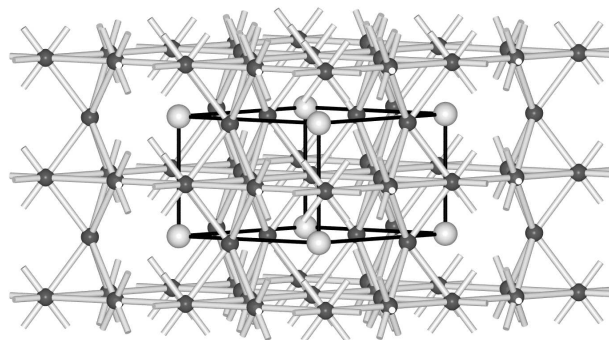
Substanz	μ_r -	B_s [T]	H_c [A/m]	M_R [T]	$B \cdot H$ [TA/m]
SmCo ₅			760 000	0.95	200 000
Nd ₂ Fe ₁₂ B			880 000	1.2	360 000
BaFe ₁₂ O ₁₉			190 000	0.4	20 000
Fe	5 000	2.14	72		
45-Permalloy (Fe/Ni)	25 000	1.6	20		
B2 Ferroxcube (Ni, Zn)Fe ₂ O ₄		0.3			
γ -Fe ₂ O ₃			30 000		
γ -Fe ₂ O ₃ Co-dot.					
CrO ₂			110 000		
Fe			75 000-130 000		
Fe/Co (70/30)			90 000-160 000		
Co/Pt/Cr/B					

3. Materialien**3.1. Metalle und Legierungen**

	$T_{C/N}$ [K]	ferro	antiferro
Fe	1043	x	
Ni	631	x	
Co	1404	x	
Nd ₂ Fe ₁₂ B	583	x	
SmCo ₅	998	x	
Mn	95		x
Cr	313		x
Eu	90		x
Ho	131/20	x	x



Ferromagnetische Ordnung in einfachen Metallen

Kristallstruktur von SmCo₅ (CaCu₅-Typ)