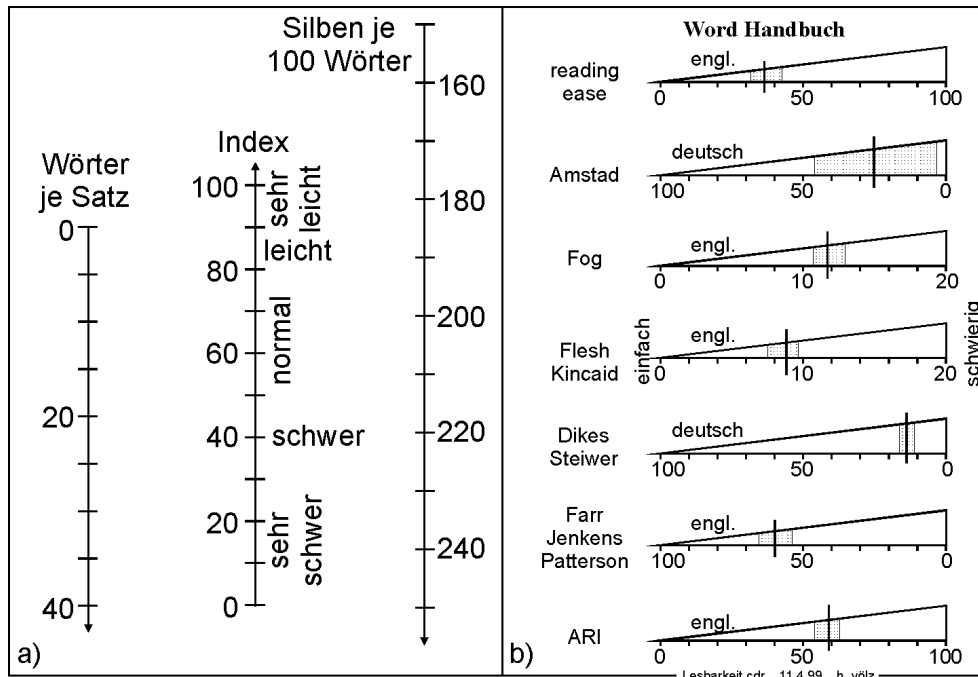
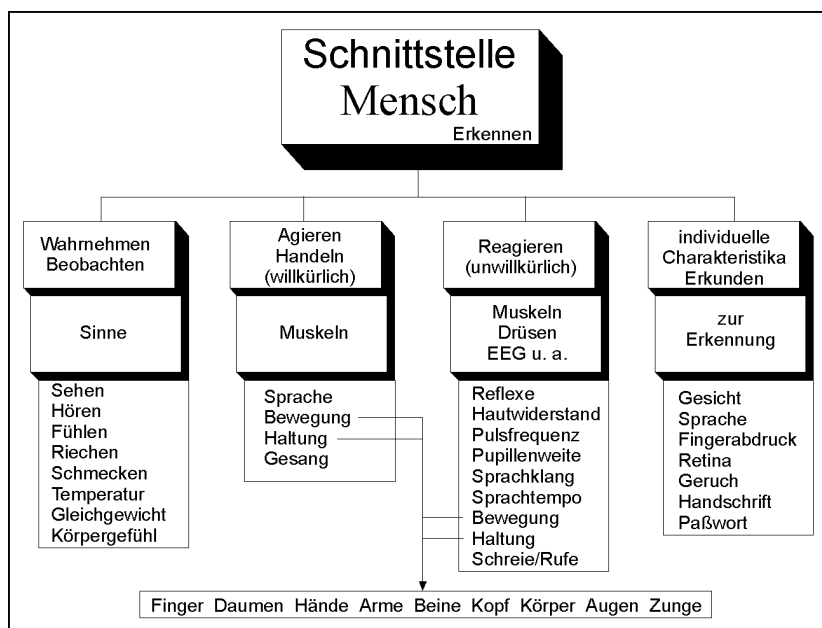
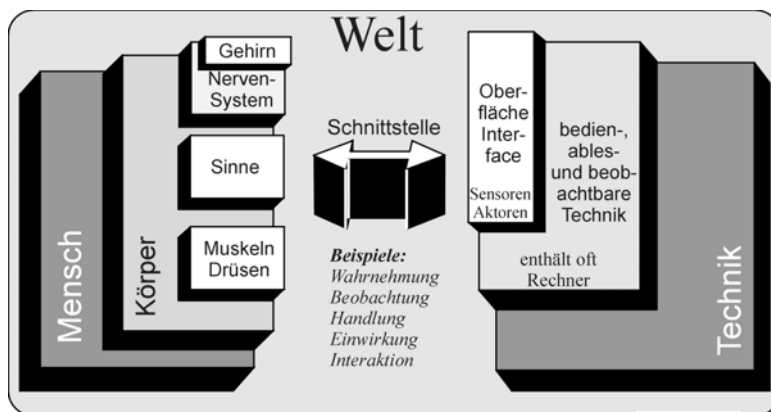
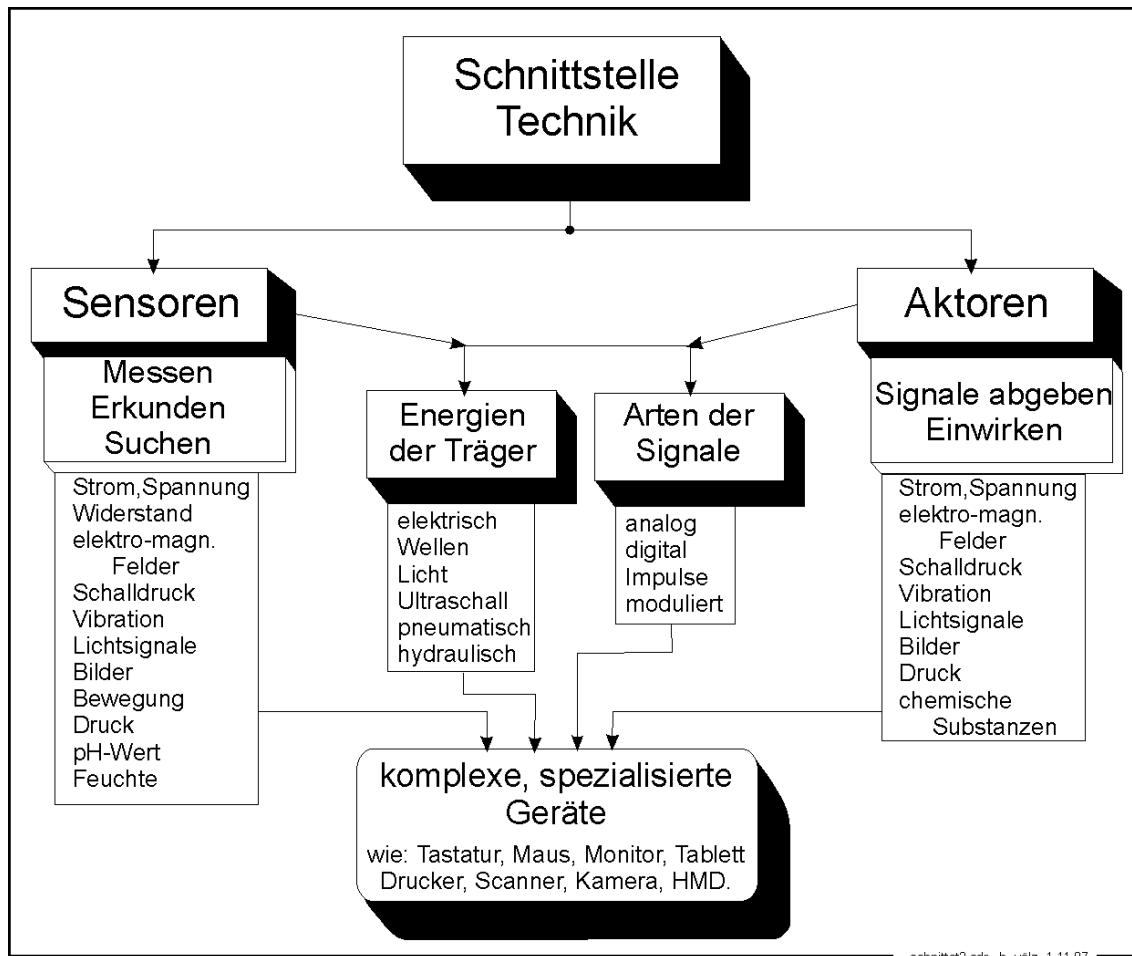
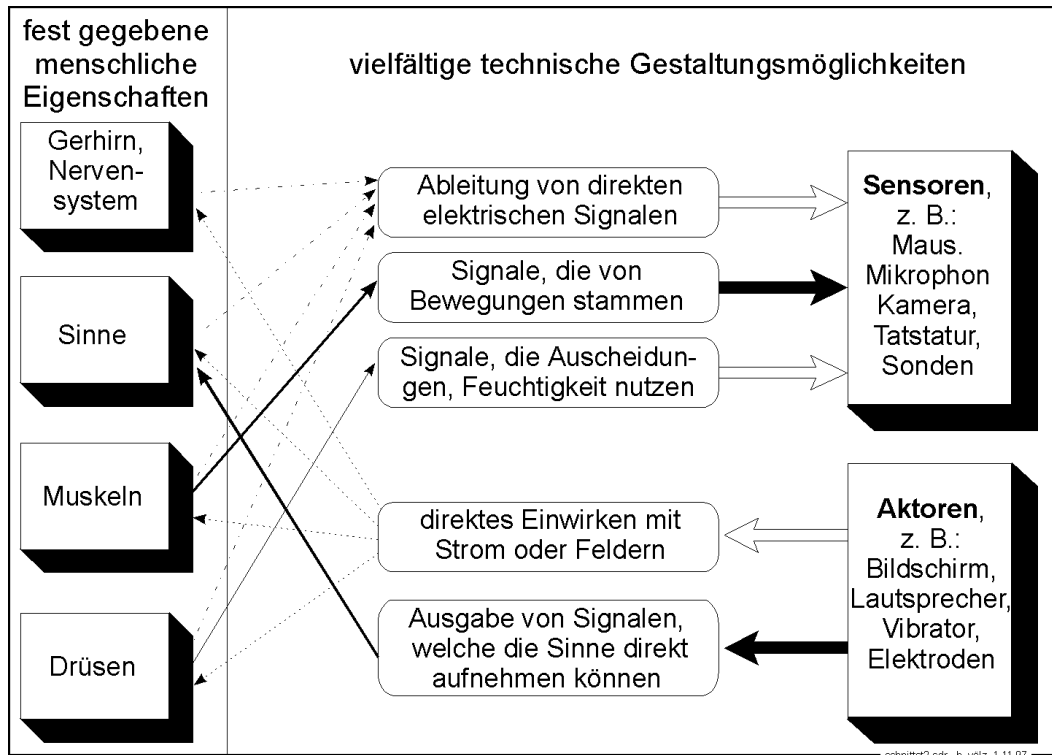


Ergänzungen zum Gedächtnis



Schnittstelle





	nah, Einzelperson	Wohnraum, mehr individuell	Großraum, öffentlich	auch räumlich (stereo)	beständig
Bild	Headset, Kleinstmonitor	Monitore, Anzeigen	Projektoren, Großbild	ja	Druck
Film					nein
Schall	Kopf-, Ohrhörer	Lautsprecher	PA-Anlagen		
Fühlen	Vibration, Bewegung, Blindenschrift	Wind, Transport			
Riechen	Stoffe				kaum
Feuchte, Wärme	Heiz-, Kühlelement	Raumtemperatur und -feuchte			
Schmecken	Stoffe	nein			

Ausgaben.cdr h. vözl 1.2.98

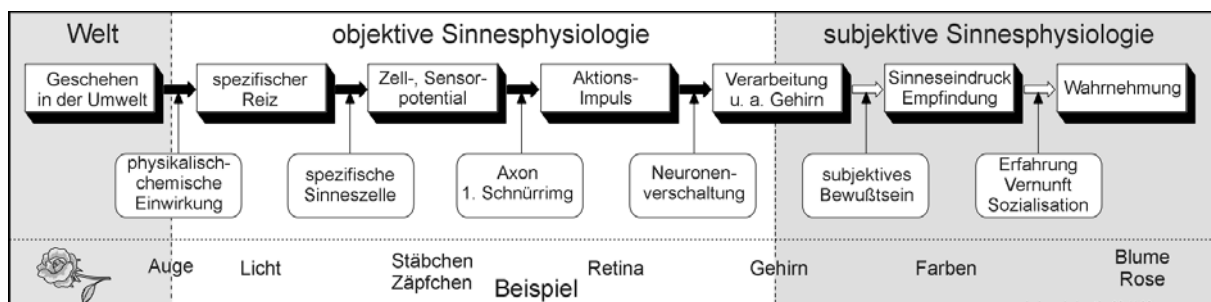
Sinne und Sinnesorgane

Vergleich der Sinne

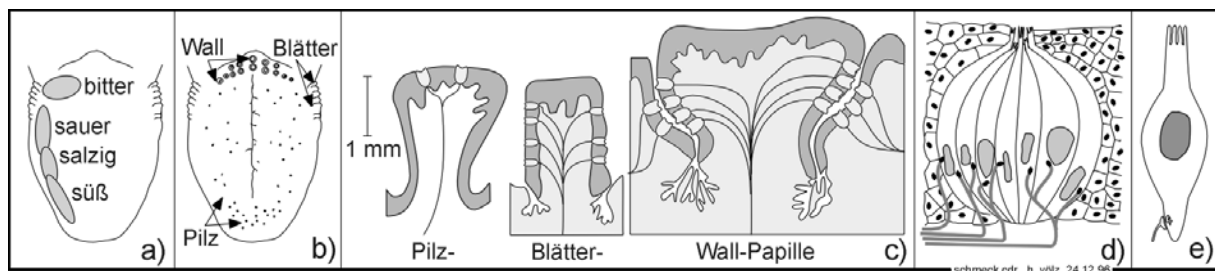
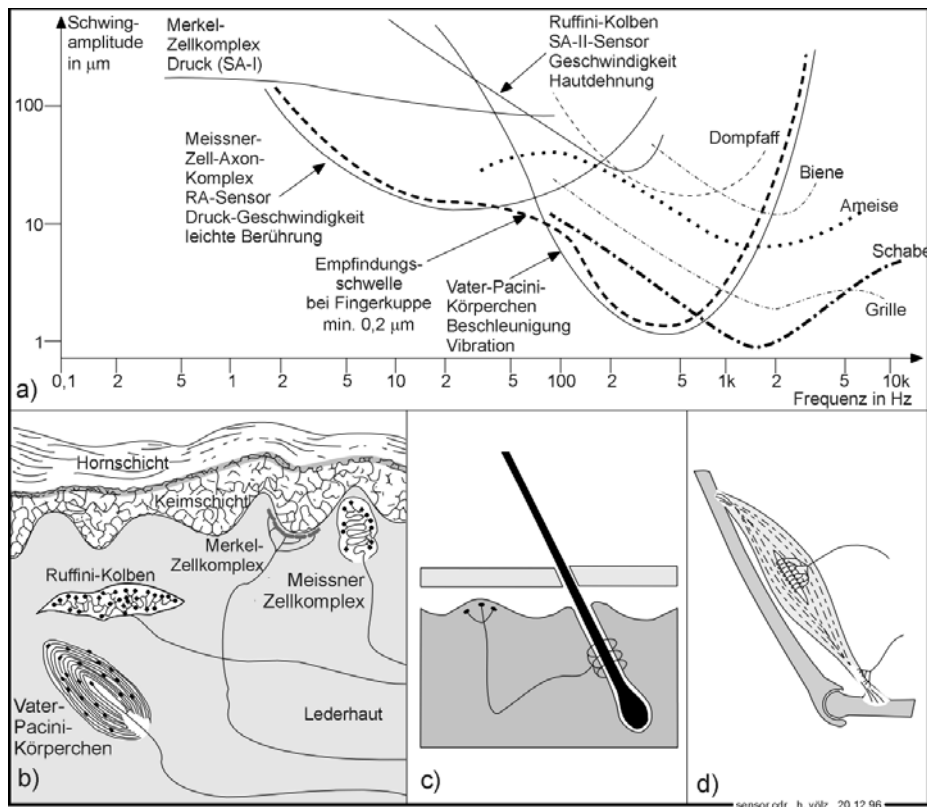
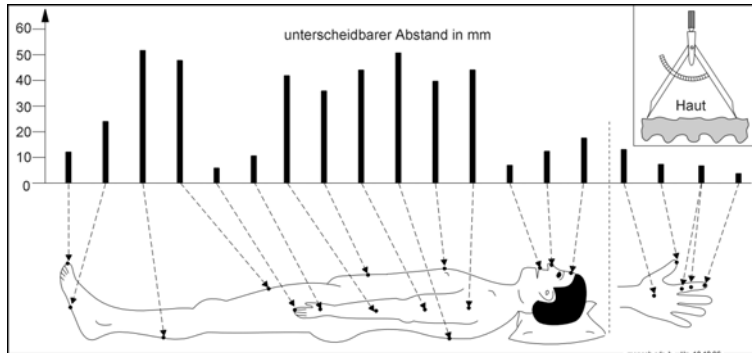
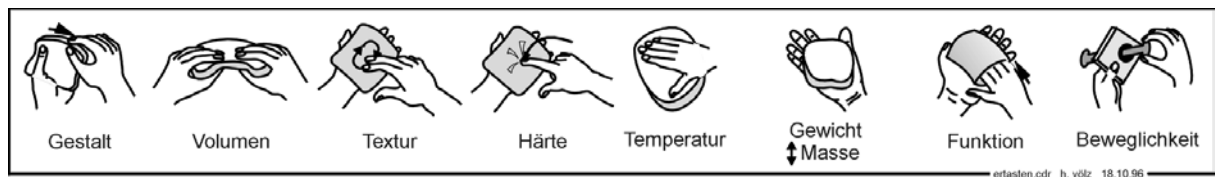
Sinn	Leistung, Konzentration
Berührung	10^{-8} W
Ohr	$8 \cdot 10^{-18}$ W
Auge	$5 \cdot 10^{-17}$ W
Geruch	$5 \cdot 10^{-14}$ g/cm ³ bei Merkaptan
Geschmack	10^{-6} g/cm ³ bei Saccharin
Schmerzen	$5 \cdot 10^{-16}$ W/cm ²

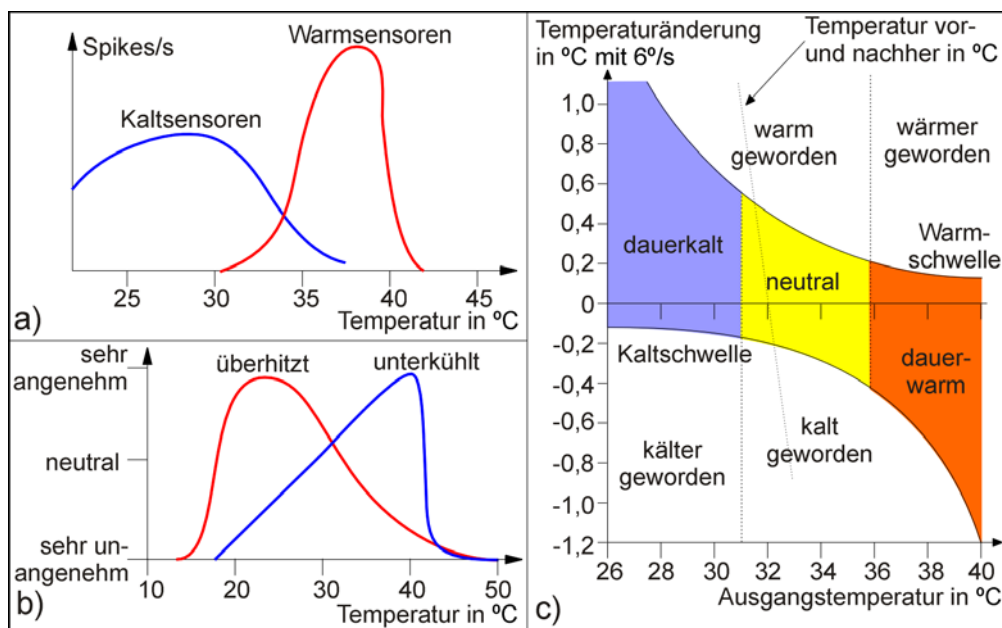
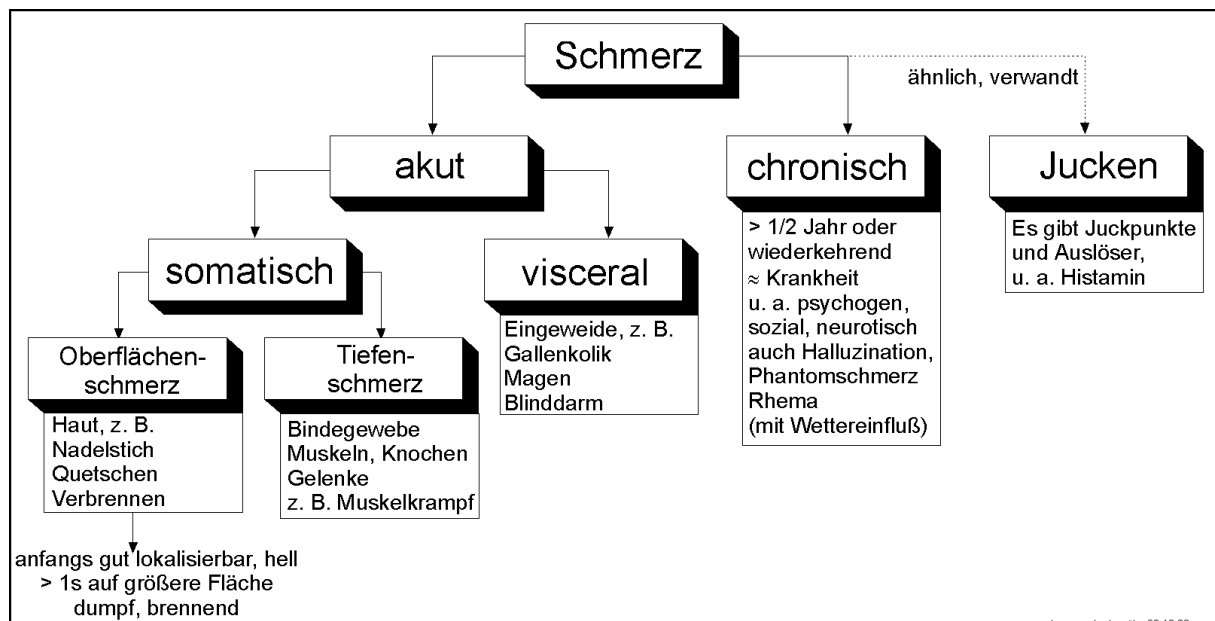
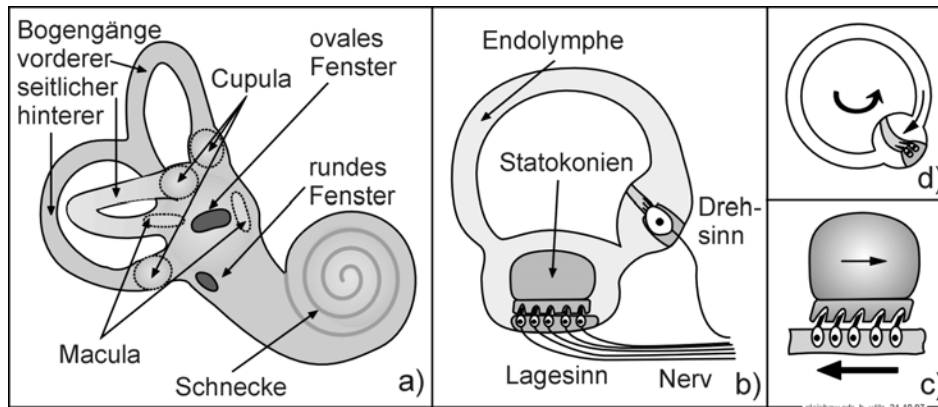
Sehen	Hören	Fühlen	Riechen
Helligkeit Farbton Sättigung Gestalt Oberfläche	Tonhöhe Lautstärke Klang Rhythmus Melodie	Temperatur Druck Vibration Textur Form	Aroma Intensität Essenz Gefühl

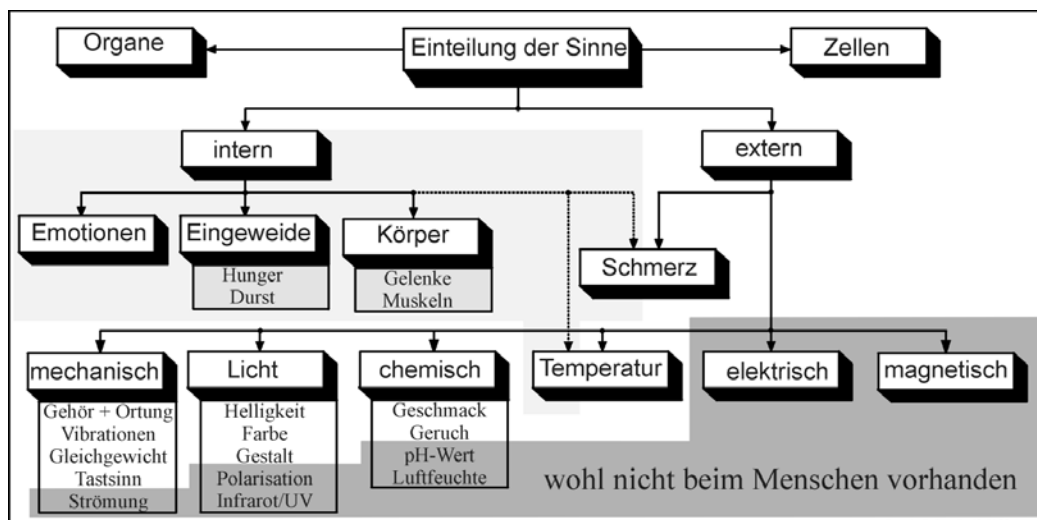
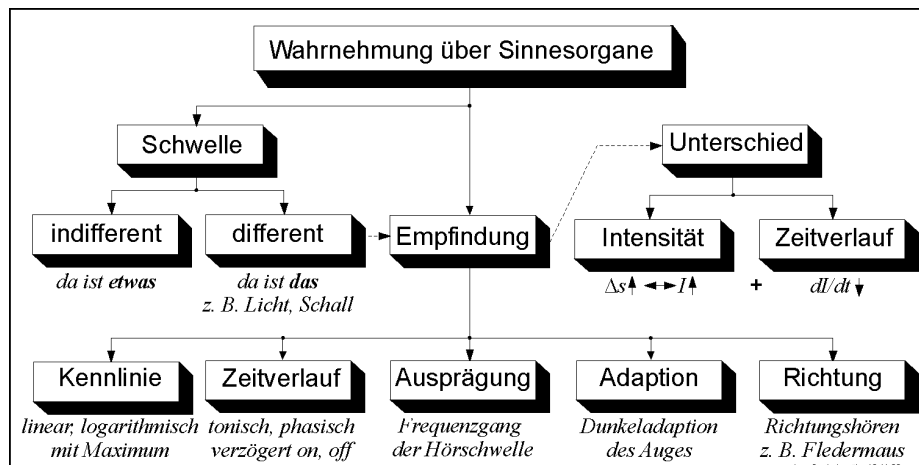
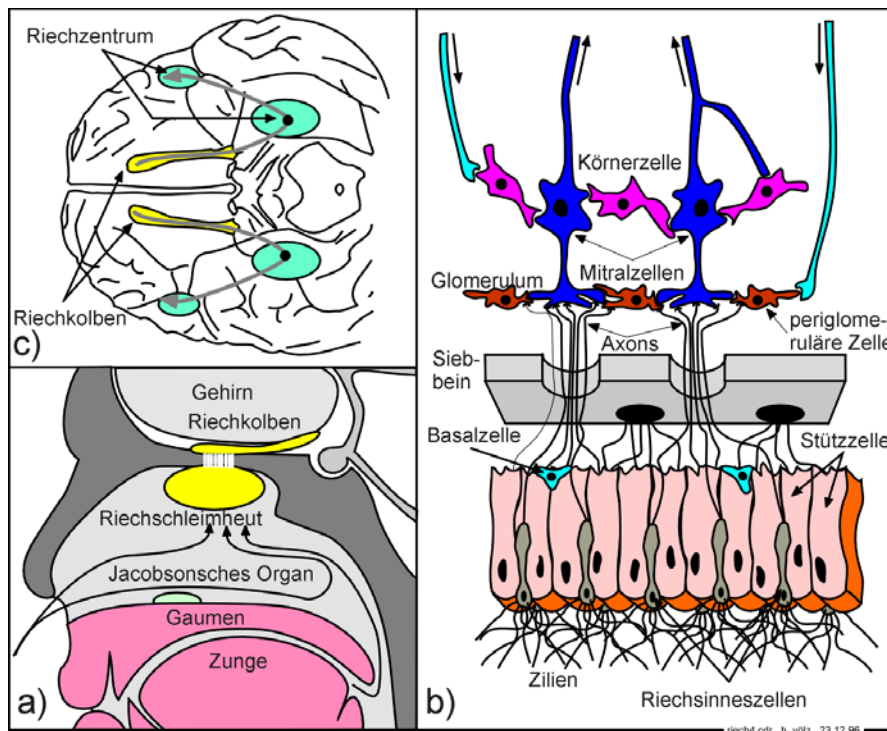
Sinn	Rezeptoren	Fasern
Auge	$2 \cdot 10^8$	$2 \cdot 10^6$
Ohr	$3 \cdot 10^4$	$2 \cdot 10^4$
Geschmack	$1 \cdot 10^7$	$2 \cdot 10^3$
Geruch	$3 \cdot 10^7$	$5 \cdot 10^4$
Druck	$5 \cdot 10^5$	10^4
Schmerz	$3 \cdot 10^6$	10^6
Wärme	$1 \cdot 10^4$	?
Kälte	$1 \cdot 10^5$	?

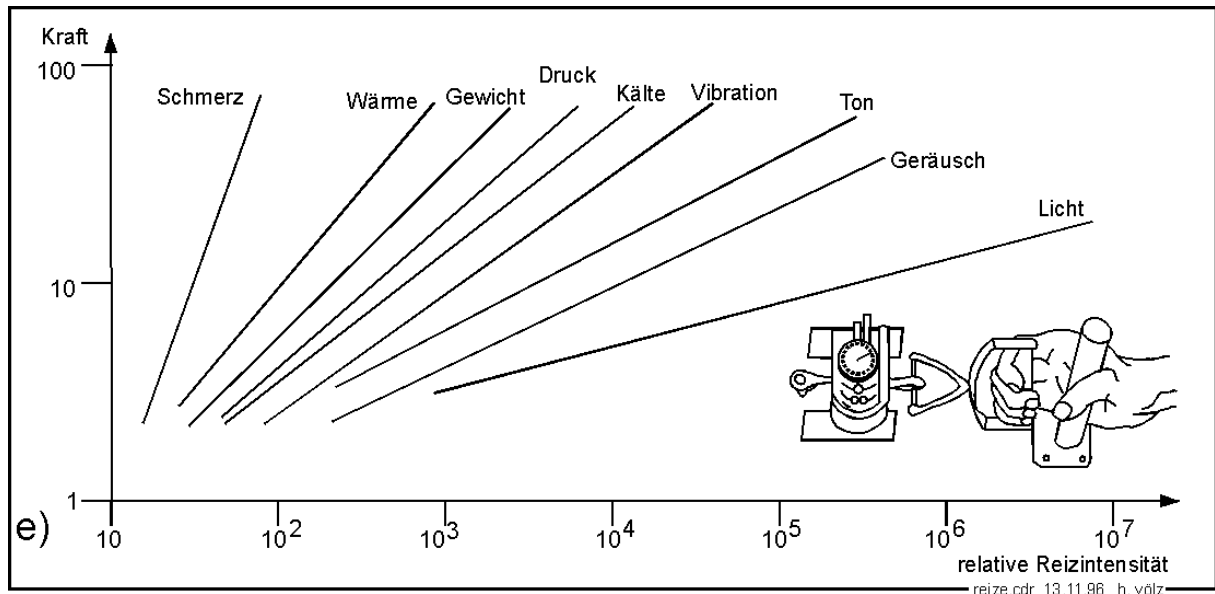


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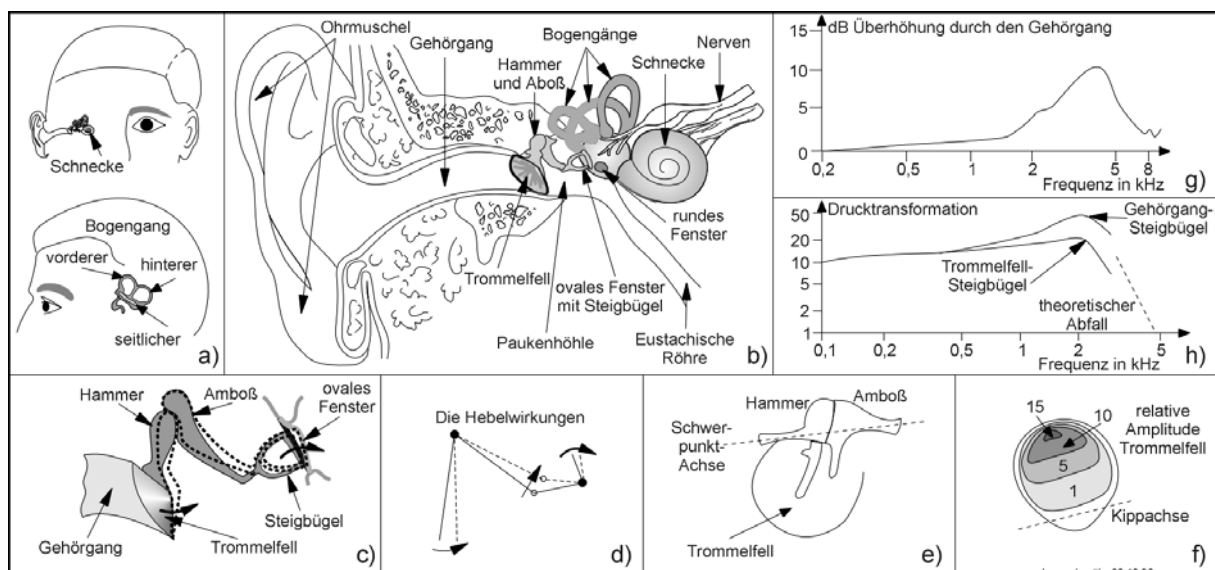
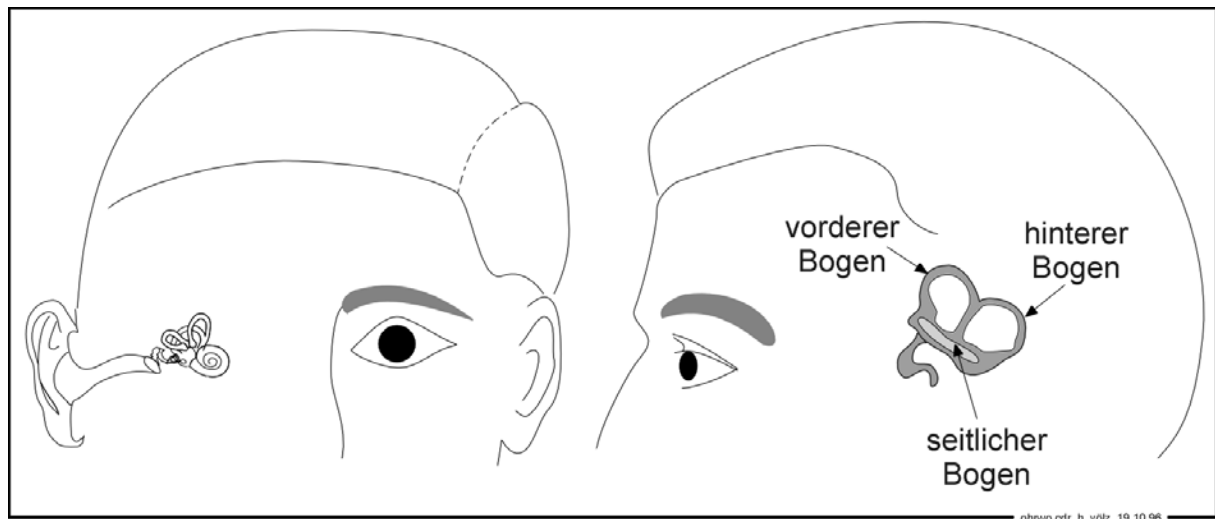


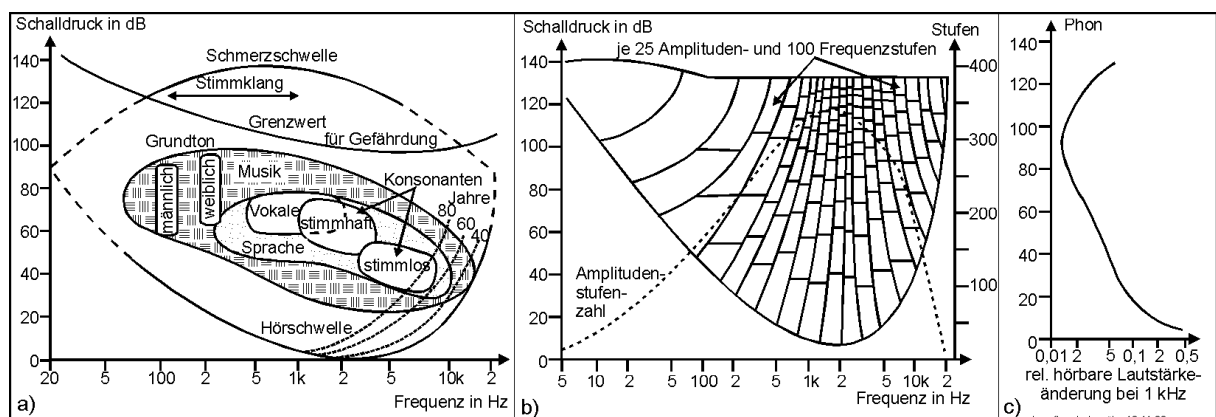
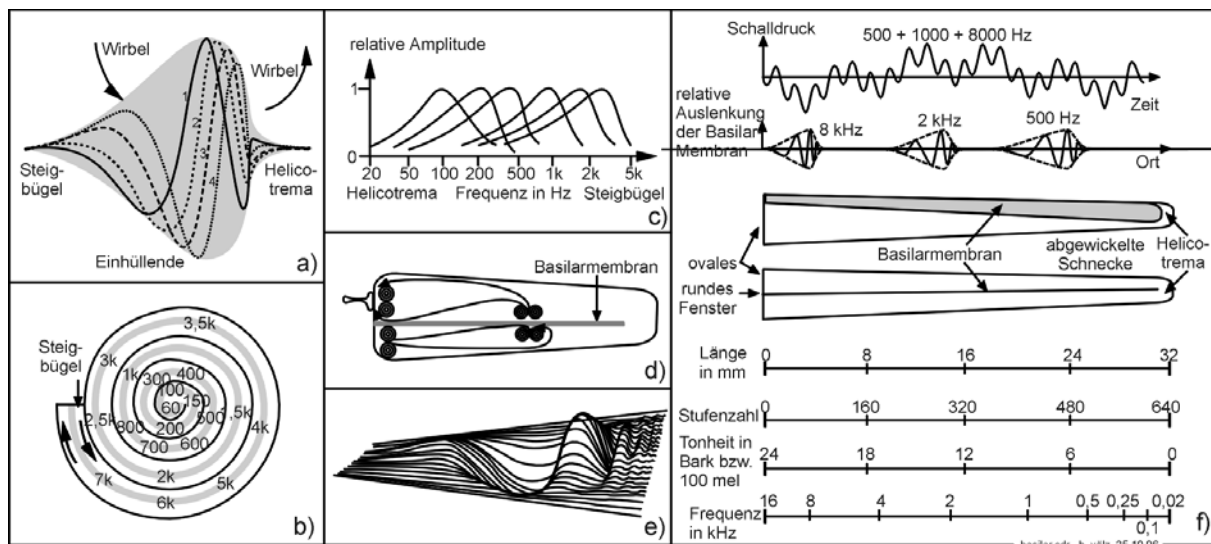
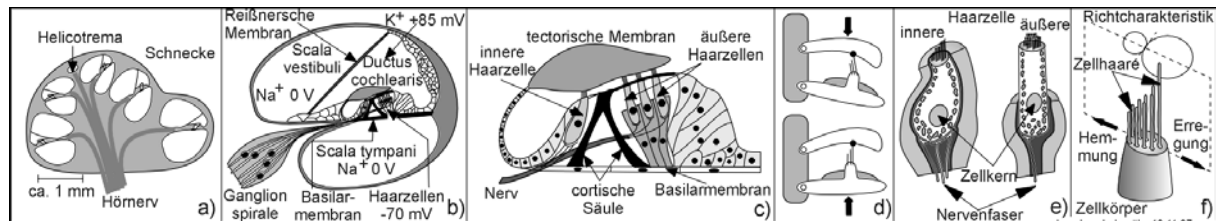
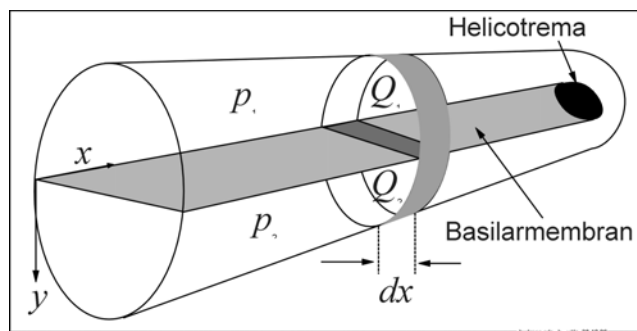
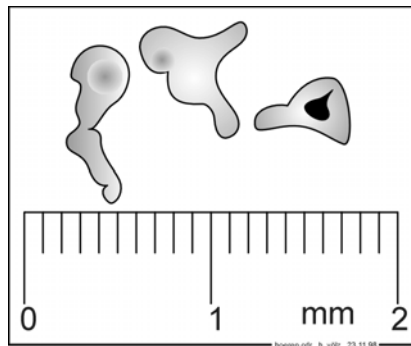


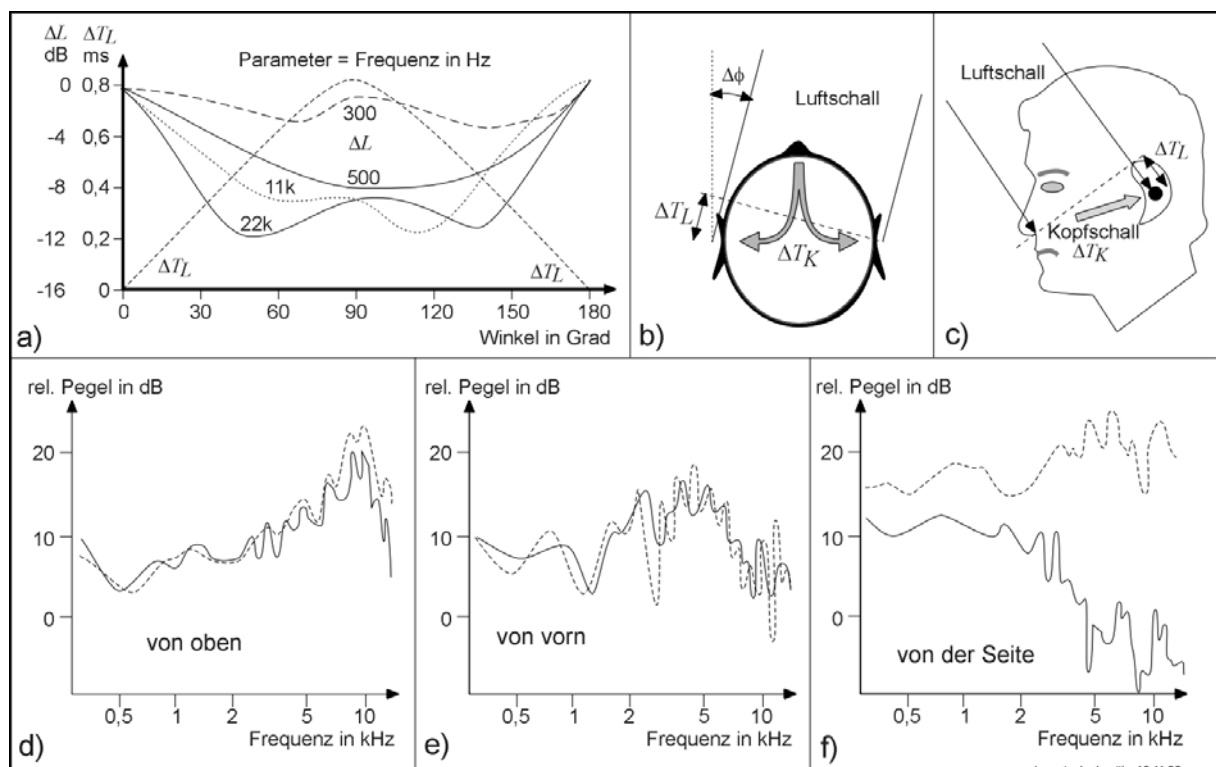
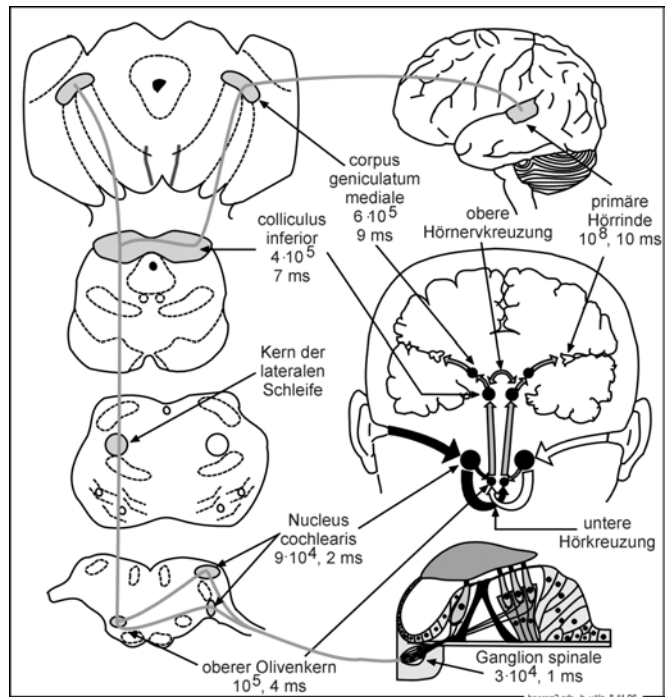
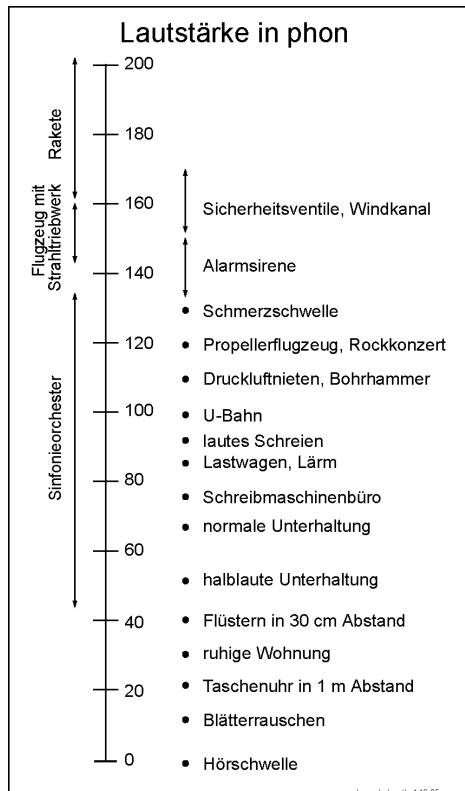


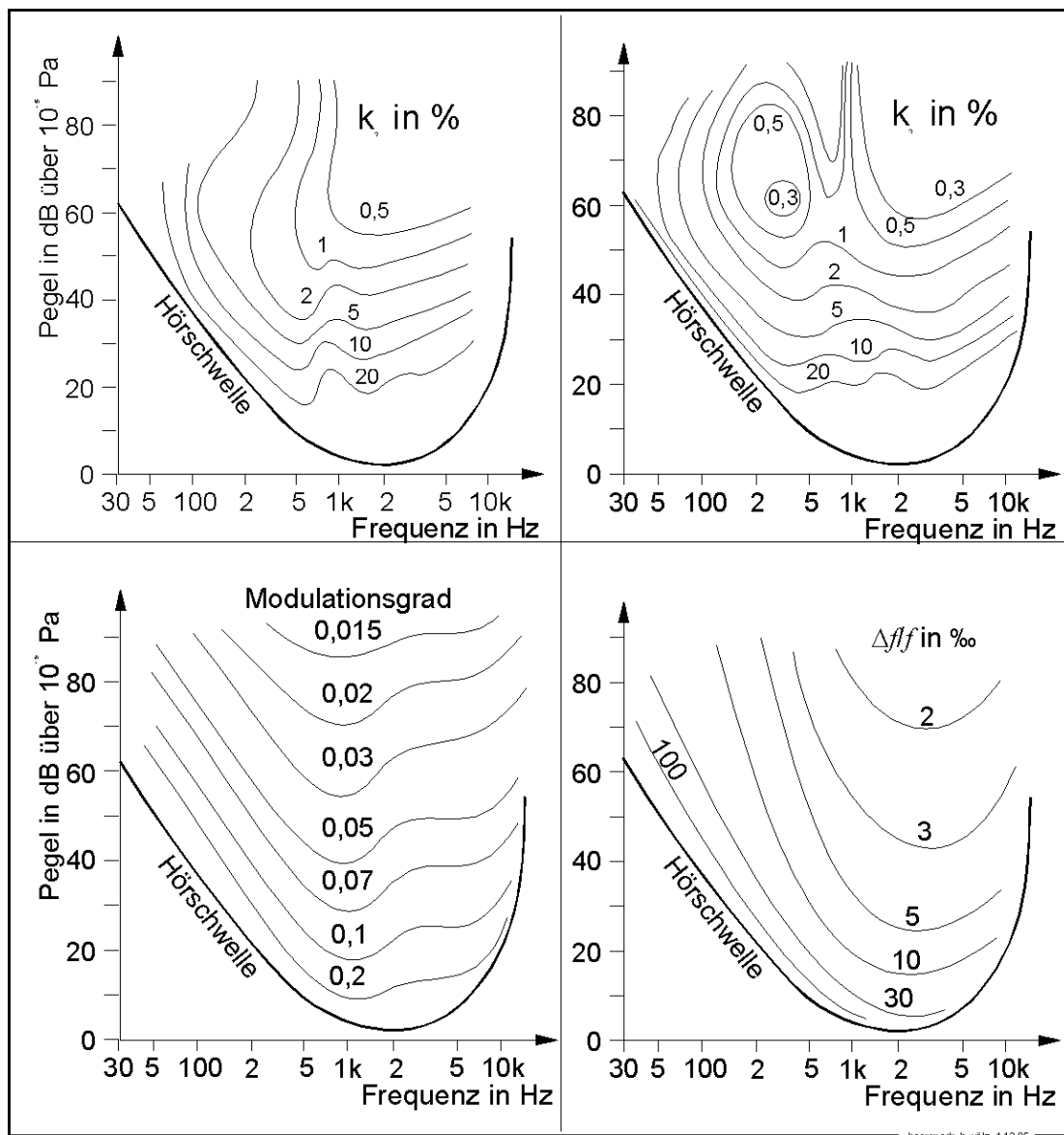
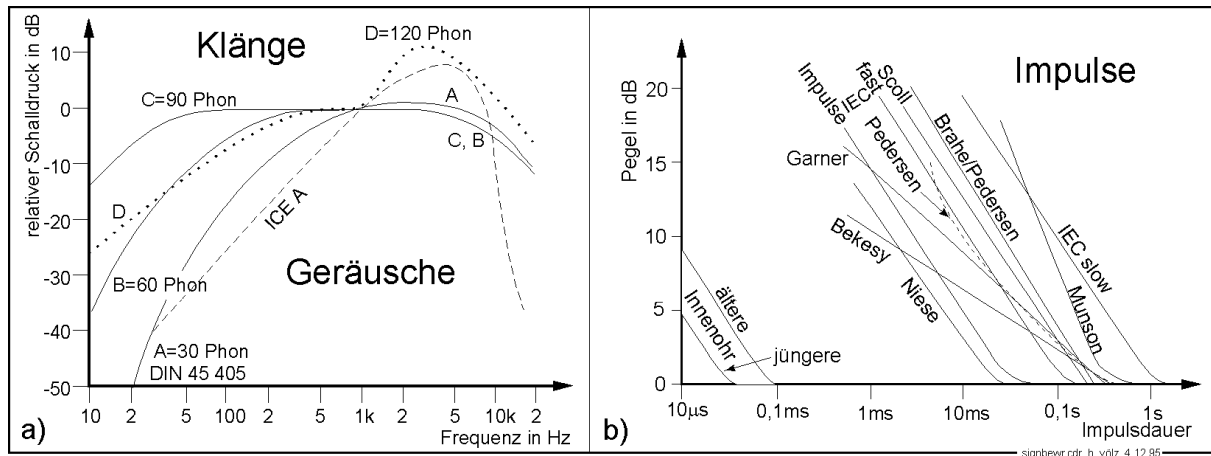


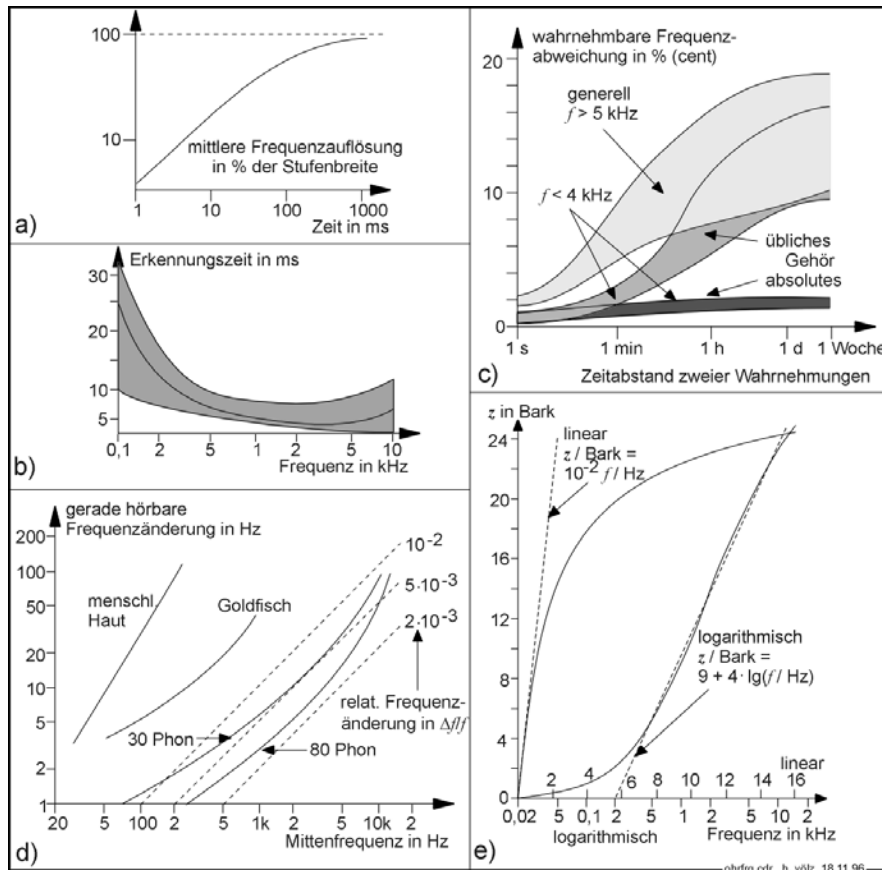
Gehör











Raumakustik

Grenzflächenmikrophon

Grenzfrequenz in Hz	30	50	100	200	500
Notwendiger Durchmesser in m	5	3	1,5	0,75	0,30

