Feuchtigkeitsgehalt der Luft

Lufttemperatur in Grad Celsius	Maxim. Feuchtigkeitsgehalt in g/m³ Luft	anteilige Luftfeuchtigkeit in g/m³ Luft						
	100%	90%	80%	70%	60%	50%	40%	30%
-20	0,900	0,810	0,720	0,630	0,540	0,450	0,360	0,270
-15	1,400	1,260	1,120	0,980	0,840	0,700	0,560	0,420
-10	2,140	1,926	1,712	1,498	1,284	1,070	0,856	0,642
-8	2,540	2,286	2,032	1,778	1,524	1,270	1,016	0,762
-6	2,990	2,691	2,392	2,093	1,794	1,495	1,196	0,897
-4	3,510	3,159	2,808	2,457	2,106	1,755	1,404	1,053
-2	4,130	3,717	3,304	2,891	2,478	2,065	1,652	1,239
0	4,800	4,320	3,840	3,360	2,880	2,400	1,920	1,440
2	5,600	5,040	4,480	3,920	3,360	2,800	2,240	1,680
4	6,400	5,760	5,120	4,480	3,840	3,200	2,560	1,920
6	7,300	6,570	5,840	5,110	4,380	3,650	2,920	2,190
8	8,300	7,470	6,640	5,810	4,980	4,150	3,320	2,490
10	9,400	8,460	7,520	6,580	5,640	4,700	3,760	2,820
12	10,700	9,630	8,560	7,490	6,420	5,350	4,280	3,210
14	12,100	10,890	9,680	8,470	7,260	6,050	4,840	3,630
16	13,900	12,510	11,120	9,730	8,340	6,950	5,560	4,170
18	15,400	13,860	12,320	10,780	9,240	7,700	6,160	4,620
20	17,300	15,570	13,840	12,110	10,380	8,650	6,920	5,190
22	19,400	17,460	15,520	13,580	11,640	9,700	7,760	5,820
24	21,800	19,620	17,440	15,260	13,080	10,900	8,720	6,540
26	24,400	21,960	19,520	17,080	14,640	12,200	9,760	7,320
28	27,200	24,480	21,760	19,040	16,320	13,600	10,880	8,160
30	30,300	27,270	24,240	21,210	18,180	15,150	12,120	9,090
35	39,400	35,460	31,520	27,580	23,640	19,700	15,760	11,820
40	50,700	45,630	40,560	35,490	30,420	25,350	20,280	15,210
45	64,500	58,050	51,600	45,150	38,700	32,250	25,800	19,350
50	82,300	74,070	65,840	57,610	49,380	41,150	32,920	24,690

Annährungsweise darf gradlinig interpoliert werden

Berechnung des Wasserdampfgehaltes in einem Wohnzimmer von 6m * 4m * 2,5m bei 22 Grad C
und 60% relativer Luftfeuchte
4 m * 6 m * 2,5 m * 11,64 g/m³ = 698, 4 g
das Ergebnis von 698,4 g Wasser entspricht noch einem normalen Wassergehalt der Luft
in einem Wohnraum

nach DIN 4108