

$$\rho = A_1 + \sum_{k=2}^{12} A_k p^{k-1} + \sum_{k=1}^6 B_k (t - 20^\circ\text{C})^k + \sum_{i=1}^n \sum_{k=1}^m C_{i,k} p^k (t - 20^\circ\text{C})^i.$$

$$\begin{array}{ll} n = 5 & m_3 = 9 \\ m_1 = 11 & m_4 = 4 \\ m_2 = 10 & m_5 = 2 \end{array}$$

Številčni koeficienti v enačbi

k	A_k	B_k
	kg/m ³	
1	$9,982\,012\,300 \times 10^2$	$-2,061\,851\,3 \times 10^{-1} \text{ kg}/(\text{m}^3 \times ^\circ\text{C})$
2	$-1,929\,769\,495 \times 10^2$	$-5,268\,254\,2 \times 10^{-3} \text{ kg}/(\text{m}^3 \times ^\circ\text{C}^2)$
3	$3,891\,238\,958 \times 10^2$	$3,613\,001\,3 \times 10^{-5} \text{ kg}/(\text{m}^3 \times ^\circ\text{C}^3)$
4	$-1,668\,103\,923 \times 10^3$	$-3,895\,770\,2 \times 10^{-7} \text{ kg}/(\text{m}^4 \times ^\circ\text{C}^4)$
5	$1,352\,215\,441 \times 10^4$	$7,169\,354\,0 \times 10^{-9} \text{ kg}/(\text{m}^3 \times ^\circ\text{C}^5)$
6	$-8,829\,278\,388 \times 10^4$	$-9,973\,923\,1 \times 10^{-11} \text{ kg}/(\text{m}^3 \times ^\circ\text{C}^6)$
7	$3,062\,874\,042 \times 10^5$	
8	$-6,138\,381\,234 \times 10^5$	
9	$7,470\,172\,998 \times 10^5$	
10	$-5,478\,461\,354 \times 10^5$	
11	$2,234\,460\,334 \times 10^5$	
12	$-3,903\,285\,426 \times 10^4$	

$C_{1,k}$
kg/(m³ × °C)

1	1,693 443 461 530 087 × 10 ⁻¹
2	-1,046 914 743 455 169 × 10 ¹
3	7,196 353 469 546 523 × 10 ¹
4	-7,047 478 054 272 792 × 10 ²
5	3,924 090 430 035 045 × 10 ³
6	-1,210 164 659 068 747 × 10 ⁴
7	2,248 646 550 400 788 × 10 ⁴
8	-2,605 562 982 188 164 × 10 ⁴
9	1,852 373 922 069 467 × 10 ⁴
10	-7,420 201 433 430 137 × 10 ³
11	1,285 617 841 998 974 × 10 ³

$C_{2,k}$
kg/(m³ × °C²)

-1,193 013 005 057 010 × 10 ⁻²
2,517 399 633 803 461 × 10 ⁻¹
-2,170 575 700 536 993
1,353 034 988 843 029 × 10 ¹
-5,029 988 758 547 014 × 10 ¹
1,096 355 666 577 570 × 10 ²
-1,422 753 946 421 155 × 10 ²
1,080 435 942 856 230 × 10 ²
-4,414 153 236 817 392 × 10 ¹
7,442 971 530 188 783

$C_{3,k}$
kg/(m³ × °C³)

1	-6,802 995 733 503 803 × 10 ⁻⁴
2	1,876 837 790 289 664 × 10 ⁻²
3	-2,002 561 813 734 156 × 10 ⁻¹
4	1,022 992 966 719 220
5	-2,895 696 483 903 638
6	4,810 060 584 300 675
7	-4,672 147 440 794 683
8	2,458 043 105 903 461
9	-5,411 227 621 436 812 × 10 ⁻¹

$C_{4,k}$
kg/(m³ × °C⁴)

4,075 376 675 622 027 × 10 ⁻⁶
-8,763 058 573 471 110 × 10 ⁻⁶
6,515 031 360 099 368 × 10 ⁻⁶
-1,515 784 836 987 210 . 10 ⁻⁶

$C_{5,k}$
kg/(m³ × °C⁵)

-2,788 074 354 782 409 × 10 ⁻⁸
1,345 612 883 493 354 × 10 ⁻⁸