

C.01.01.Z1 – Biblioteca Simplificada de Gás Ideal

Aplicação em FTHA – Finite Time Heat Addition Otto Engine Model

Prof. C. Naaktgeboren, PhD



<https://github.com/CNThermSci/ApplThermSci>

Compiled on 2020-09-10 01h04m09s UTC

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Cada equação com forma nas bases **mássica**, e **molar**, com $R = \bar{R}/M$ — armazenar \bar{R} e M !

Modelo de $\bar{c}_p(T)$ Polinomial:

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Armazenar a_i , T_{min} e T_{max} e saber as conversões (i) $a_i \rightarrow b_i$ e (ii) $\bar{c}_{p,v}(T) \rightarrow c_{p,v}(T)$.

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Modelo de $\bar{c}_p(T)$ Polinomial: $\bar{h}(T) = \bar{u}(T) + \bar{R}T$

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$$\left(\frac{P_2}{P_1}\right)_s = \frac{P_{r2}}{P_{r1}} \qquad \left(\frac{v_2}{v_1}\right)_s = \frac{v_{r2}}{v_{r1}} \qquad \longrightarrow$$

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Photo by Josh Sorenson from Pexels