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CIVIL FORMULAS - civil engineering

Formula Used: $L_m = (A \times S^2) / (200 \times (H + S \times \tan \beta)) \forall S < L_m$ $L_m = 2S - \{ (200 \times (H + S \times \tan \beta)) / A \} \forall S > L_m$ If $S > L_m$, then the first formula is used, if $L > S$, then the second formula is used. Where, A - Absolute difference between g_2 and g_1 S - Sight Distance L_m - Minimum Curve Length H - Height of headlight

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q = heat transferred per unit time (W, Btu/hr) A = heat transfer area of the surface (m^2 , ft^2) h_c = convective heat transfer coefficient of the process ($W/(m^2 K)$ or $W/(m^2 \circ C)$, Btu/($ft^2 h$...

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1. Void ratio (e) is the ratio of the volume of voids (V_v) to the volume of soil solids (V_s), and is expressed as a decimal. 2. Porosity (n) is the ratio of the volume of voids to the total volume of soil (V), and is expressed as a percentage. Void ratio and porosity are inter-related to each other as follows: and.

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