



SCS Triangular Unit Hydrograph Formulas

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Examples!

Conversions!

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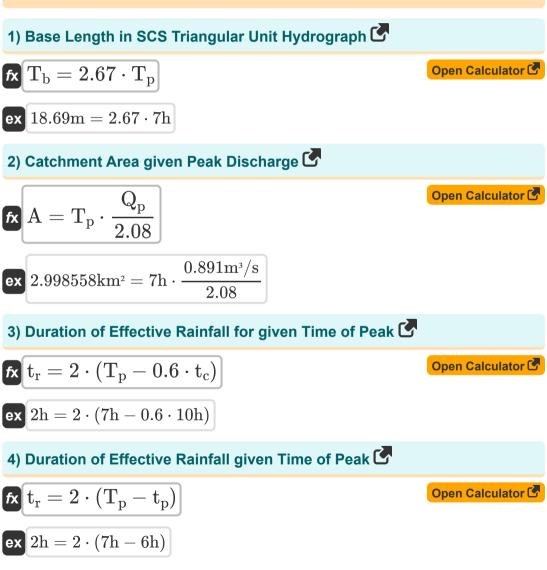
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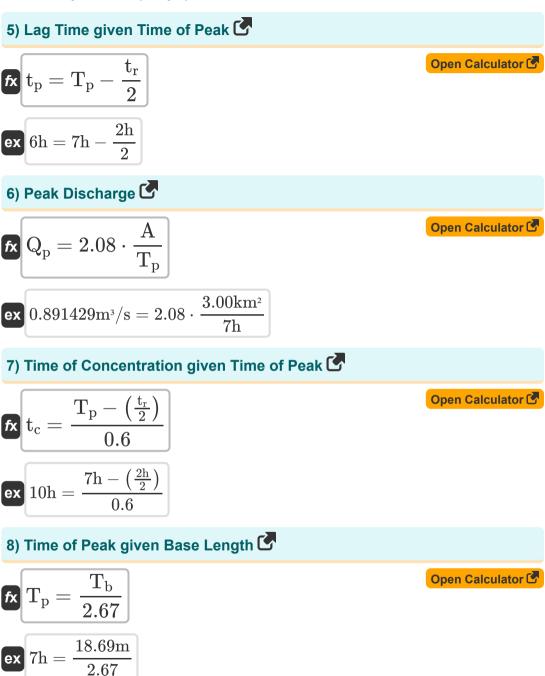


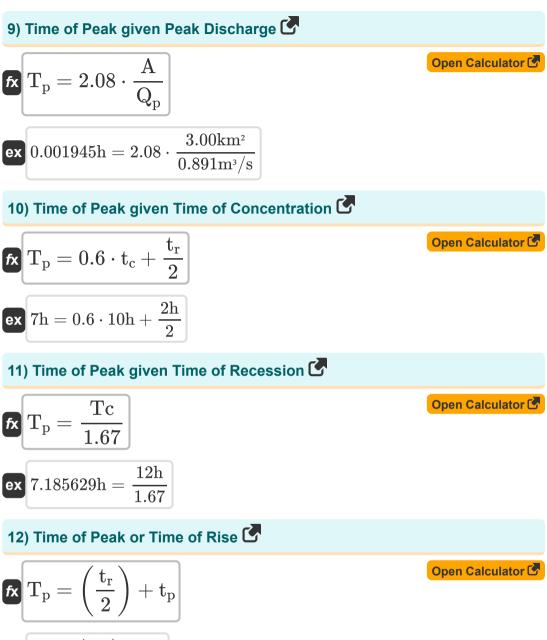
List of 13 SCS Triangular Unit Hydrograph Formulas

SCS Triangular Unit Hydrograph 🕑









 $ex 7h = \left(\frac{2h}{2}\right) + 6h$









Variables Used

- A Area of Catchment (Square Kilometer)
- **Q**_p Peak Discharge (Cubic Meter per Second)
- T_b Base Length (Meter)
- **t_c** Time of Concentration (Hour)
- t_p Basin Lag (Hour)
- T_p Time of Peak (Hour)
- t_r Standard Duration of Effective Rainfall (Hour)
- Tc Time of Recession (Hour)





Constants, Functions, Measurements used

- Measurement: Length in Meter (m) Length Unit Conversion
- Measurement: Time in Hour (h) Time Unit Conversion
- Measurement: Area in Square Kilometer (km²) Area Unit Conversion
- Measurement: Volumetric Flow Rate in Cubic Meter per Second (m³/s) Volumetric Flow Rate Unit Conversion



Check other formula lists

- SCS Triangular Unit Hydrograph
 Synder's Synthetic- Unit Hydrograph Formulas
 - The Indian Practice Formulas C

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