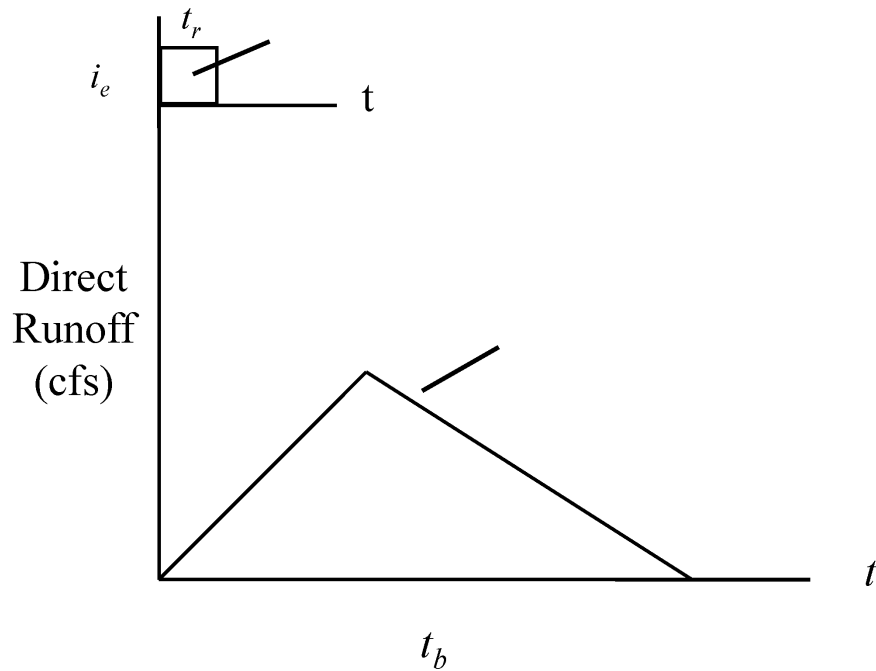


Lesson 22: Unit Hydrograph Concepts

Unit Hydrograph Definitions



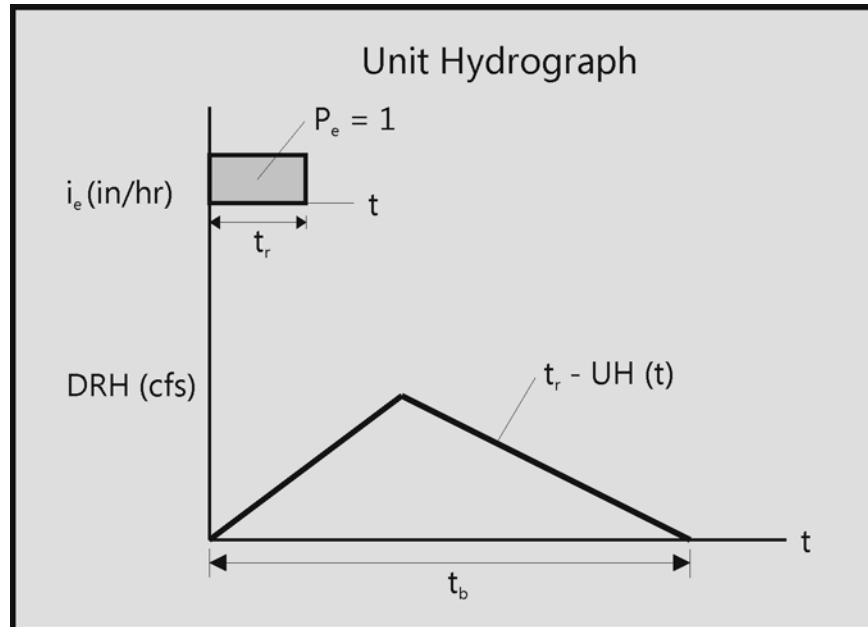
Unit Hydrograph

Definition: The unit hydrograph (UH) is the _____ resulting from _____ of rainfall excess generated uniformly over the drainage area at a constant rate for _____.

Definition: The t_r -UH is the UH for an _____.

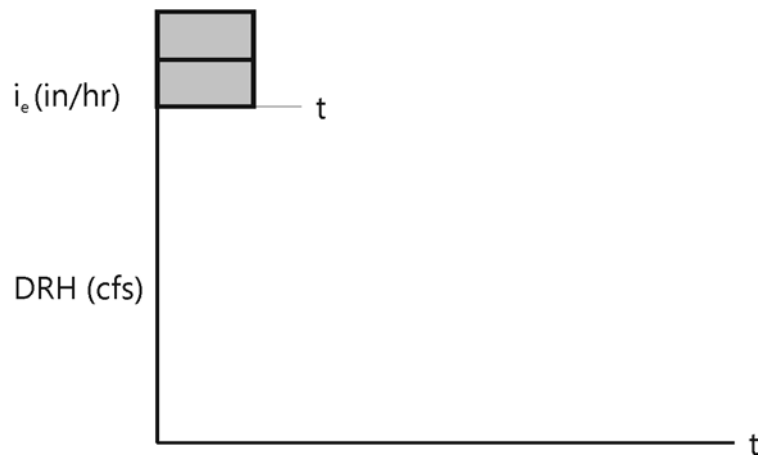
Lesson 22: Unit Hydrograph Concepts Rules for Applications to DRH Prediction

Unit Hydrograph (Given)



Predict the DRH

Rule #1: Linearity

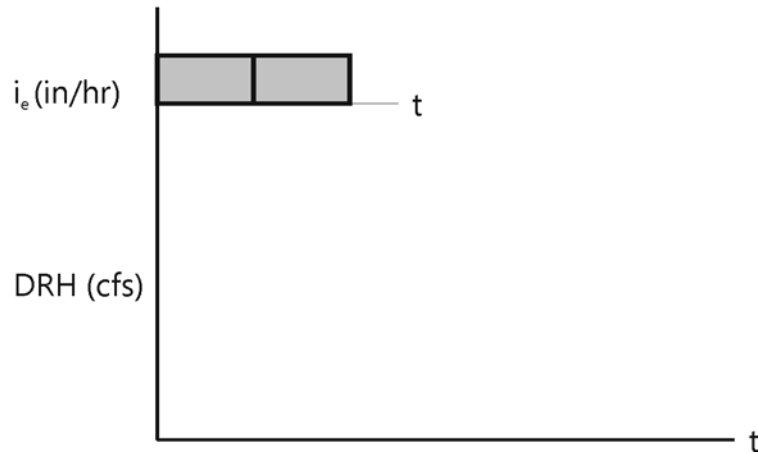


Rule #1 (Linearity):

Lesson 22: Unit Hydrograph Concepts Rules for Applications to DRH Prediction

Predict the DRH

Rule #2: Superposition



Rule #2 (Superposition):

Assumptions for the Unit Hydrograph

1. Excess rainfall (P_e) has _____ for effective duration (t_r).
2. Excess rainfall is _____ over the drainage area.
3. Time base (t_b) of direct runoff _____.
4. The UH for a watershed is unique _____.