



Relating canopy architecture to GPP

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Canopies are tricky to parameterize...

fPAR

Leaf angles

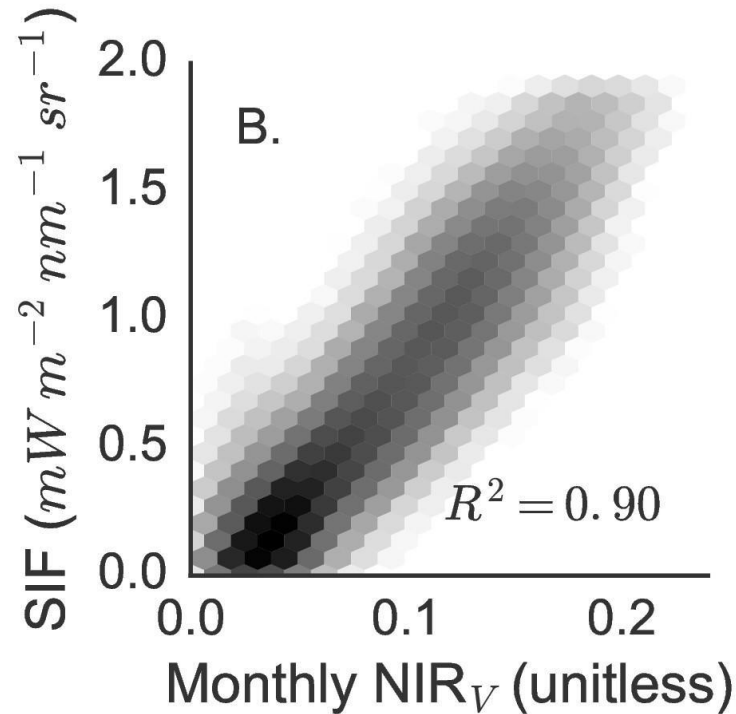
Clumping

Sun versus shade

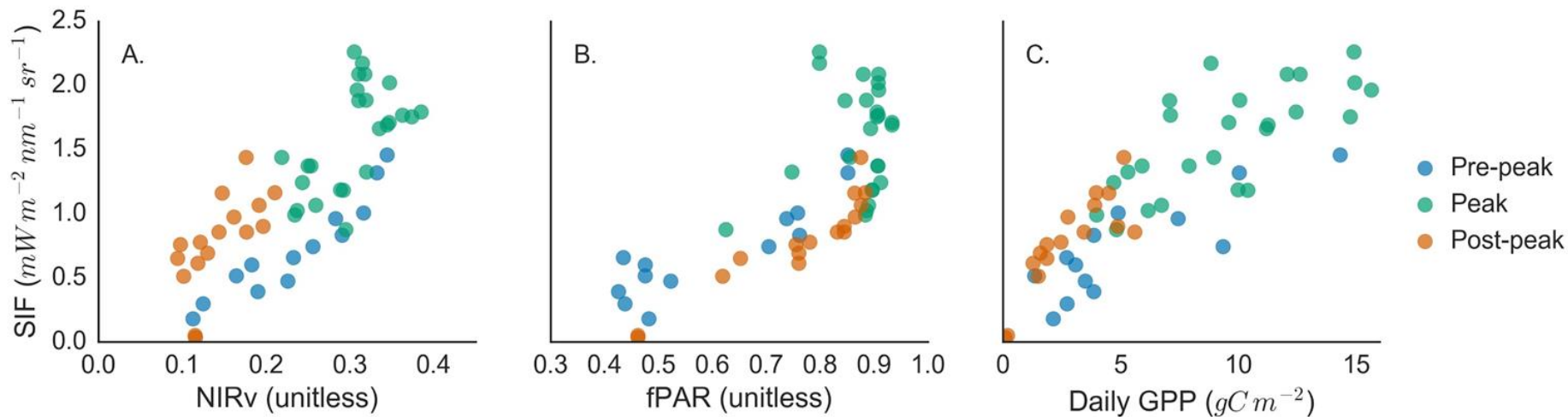
But structure controls productivity

$$A_c = A_0 \cdot \Pi$$

SIF and NIRv relate to canopy structure



At Harvard Forest, SIF/NIRv explain GPP



The Big Leaf Model

$$A_c = A_0 \cdot \Pi$$

SIF-derived Π at Harvard Forest

