

## Anchor Graph Cluster



Improve by  
mixing

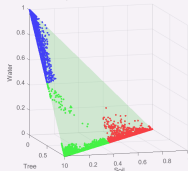
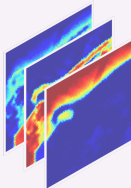
Anchor Graph



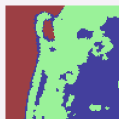
Cluster

$$\min_Z \|X - \Delta(X)Z\|_F^2$$

## Sub-pixel Prior



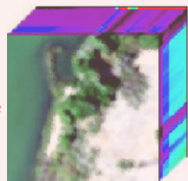
Visualization of clustering labels  
on abundance vectors



$$\min_{S,A} \|X - XSA\|_F^2$$

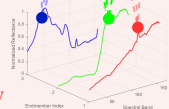
$$\text{s.t. } S_{np}, A_{pn} \geq 0, a_n^T \mathbf{1} = 1$$

## Hyperspectral Unmixing



Reshape

Abundance  
Matrix



Limited by  
mixing

Endmembers

$$\min_{M,A} \|X - MA\|_F^2$$