```
depth clustering::Abstract
       ImageLabeler
 # depth image ptr
 # params
 # label image
 # radians threshold
 # RANDOM COLORS
 + AbstractImageLabeler()
 + ~AbstractImageLabeler()
 + SetDepthImage()
 + ComputeLabels()
 + GetLabelImage()
 + LabelsToColor()
depth clustering::Linear
ImageLabeler< STEP ROW,
       STEP COL >

    Neighborhood

+ NEIGH SIZE
+ LinearImageLabeler()
+ ~LinearImageLabeler()
+ LabelOneComponent()
+ DepthAt()
+ LabelAt()
+ SetLabel()
+ WrapCols()
+ ComputeLabels()
```