```
+------------------------------------------+
|      depth_clustering::Abstract          |
|            ImageLabeler                  |
+------------------------------------------+
| # _depth_image_ptr                       |
| # _params                                |
| # _label_image                           |
| # _radians_threshold                     |
| # RANDOM_COLORS                          |
+------------------------------------------+
| + AbstractImageLabeler()                 |
| + ~AbstractImageLabeler()                |
| + SetDepthImage()                        |
| + ComputeLabels()                        |
| + GetLabelImage()                        |
| + LabelsToColor()                        |
+------------------------------------------+
                    △
                    |
                    |
+------------------------------------------+
|      depth_clustering::Dijkstra          |
|      ImageLabeler< STEP_ROW,             |
|            STEP_COL >                     |
+------------------------------------------+
| + Neighborhood                           |
| + NEIGH_SIZE                             |
+------------------------------------------+
| + DijkstraImageLabeler()                 |
| + ~DijkstraImageLabeler()                |
| + ComputeLabels()                        |
+------------------------------------------+
```