

```
(*Corresponding points are found with Mathematica method *)
```

```
imagesRGB = {};
```

```
images = ColorConvert[imagesRGB, "Grayscale"];
[konvertiere Farben]
matches = ImageCorrespondingPoints @@ images;
[entsprechende Punkte der Bilder]
MapThread[Show[#, Graphics[{Yellow, MapIndexed[Inset[#[[1]], #1] &, #[[2]]]}]] &,
[zeige an] [Graphik] [gelb] [wende auf in ...] [setze ein]
{images, matches}]

Print["matches = ", matches];
[gib aus]

PointListK1 = matches[[2]]; (*[[2,2;;All]]*)
[alle]
PointListK2 = matches[[1]]; (*[[1,2;;All]]*)
[alle]

Print["PointListK1 = ", PointListK1];
[gib aus]
Print["PointListK2 = ", PointListK2];
[gib aus]

PC1 = Map[{#[[1]], #[[2]], 1} &, PointListK1];
[wende an]
PC2 = Map[{#[[1]], #[[2]], 1} &, PointListK2];
[wende an]
A = {{1.2, 0, 0}, {0, 2.3, 0}, {0, 0, 1}};
```

```
PC2 = Map[A.# &, PC2];
[wende an]
```

```
SizeImage1 = ImageDimensions[];
[Bildmaße]
```

```
SizeImage2 = ImageDimensions[];
[Bildmaße]
```

```
Print["SizeImage1 = ", SizeImage1];
[gib aus]
```

```
Print["SizeImage1 = ", SizeImage1];
[gib aus]
```

```
piWidth = SizeImage1[[1]];
piHeight = SizeImage1[[2]];
pjWidth = SizeImage2[[1]];
pjHeight = SizeImage2[[2]]
```

```
Print["PC1 = ", MatrixForm[PC1]];
 $\downarrow$  gib aus
 $\downarrow$  Matritzenform
Print["PC2 = ", MatrixForm[PC2]];
 $\downarrow$  Matritzenform
```

