

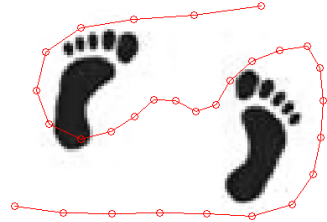


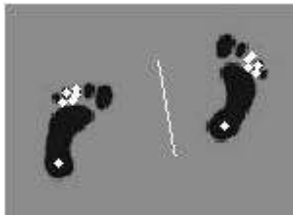
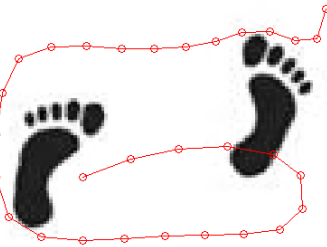



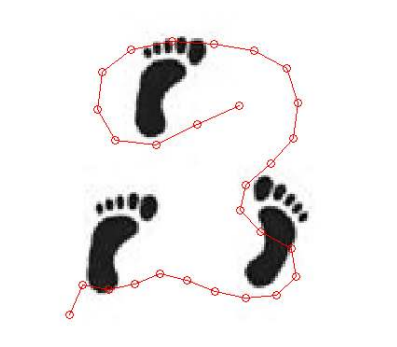
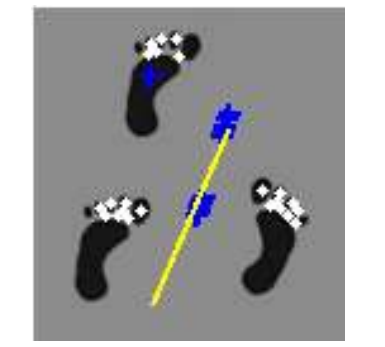



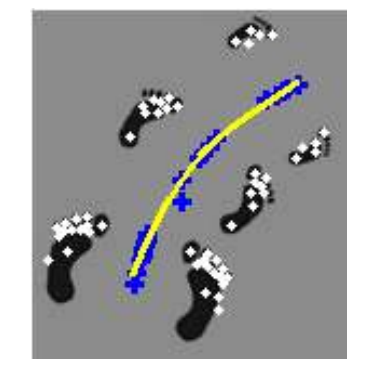

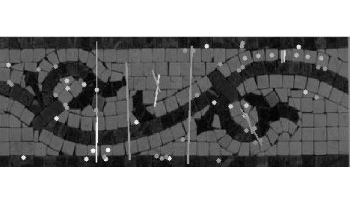
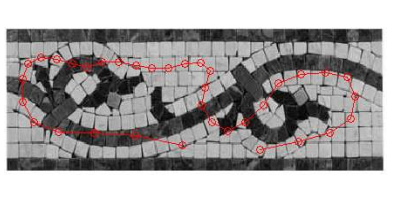
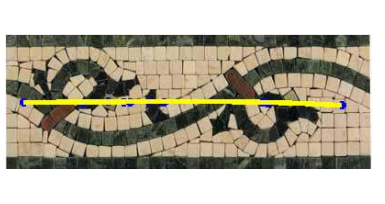
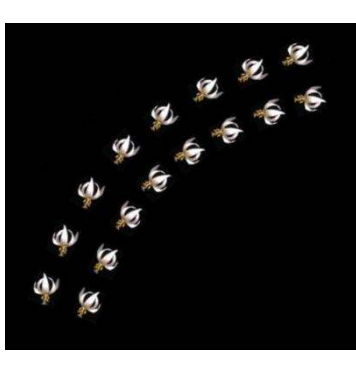
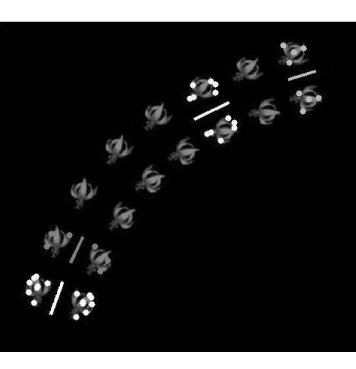
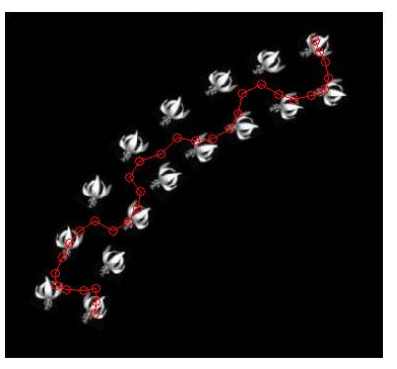
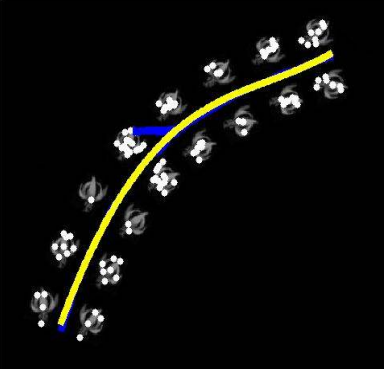
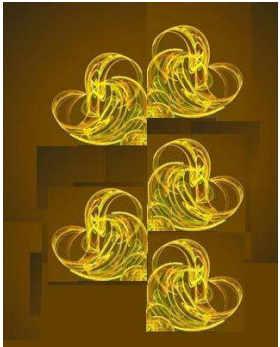
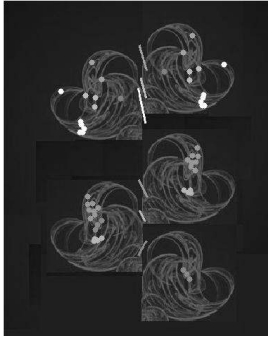
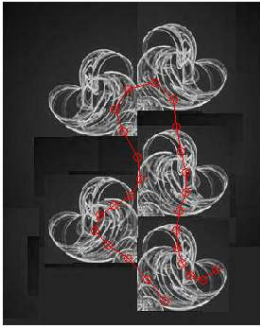
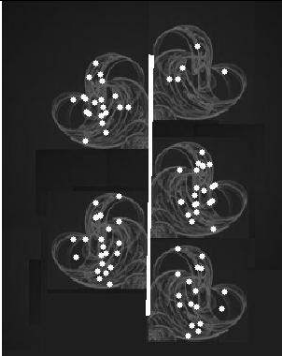



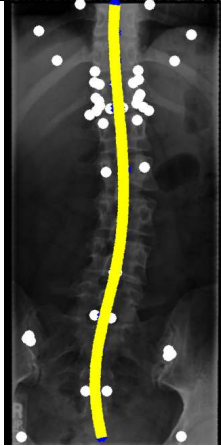


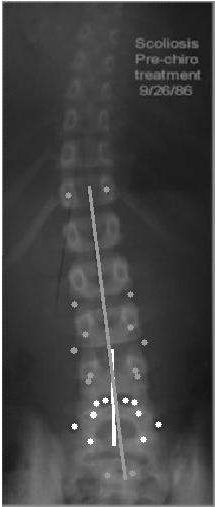

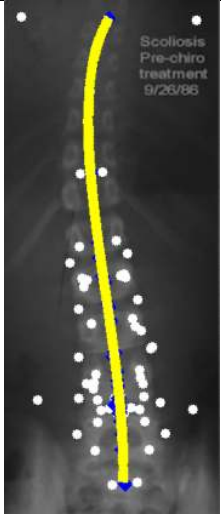





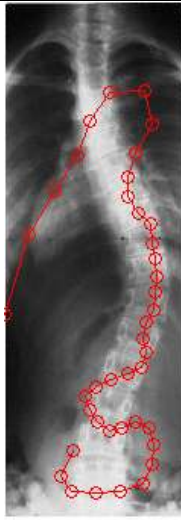
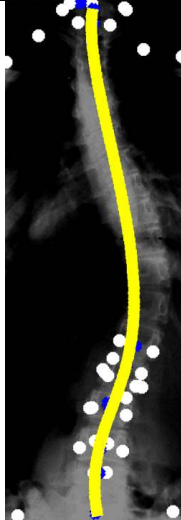

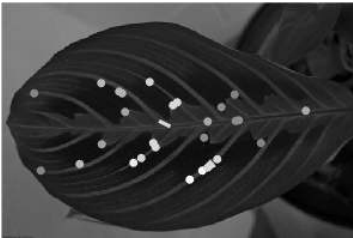
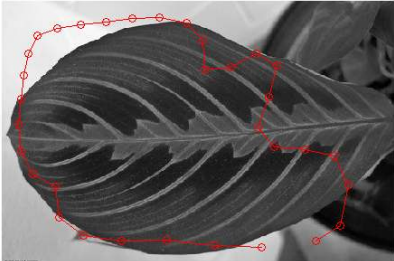
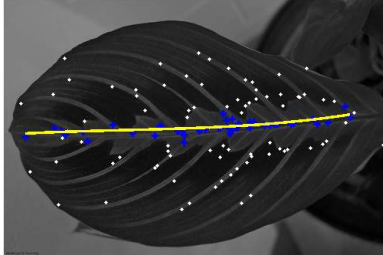

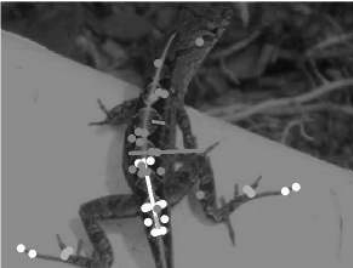
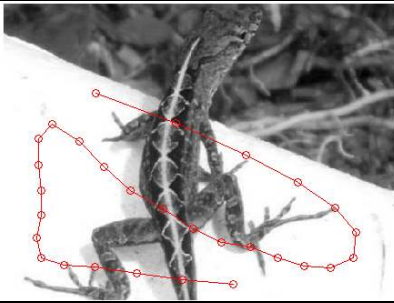
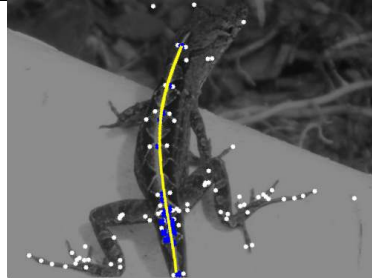

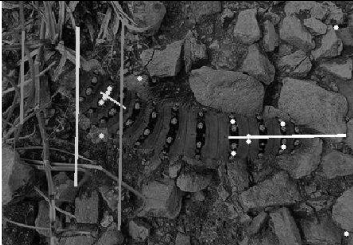
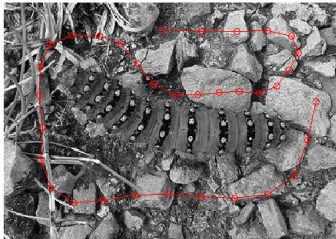
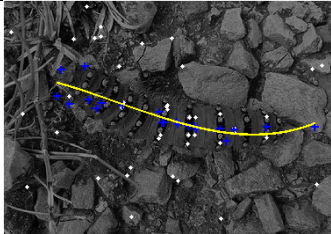
Experimental Results



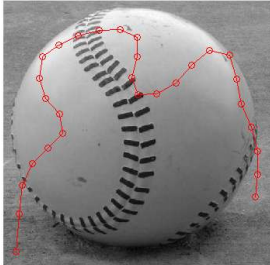
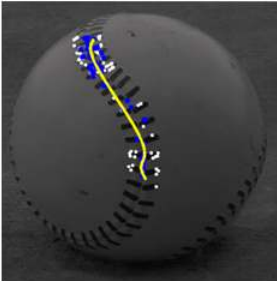



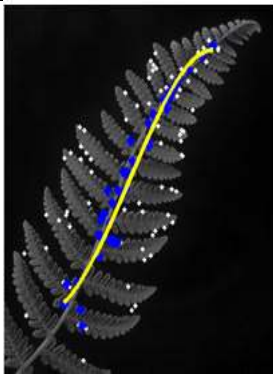

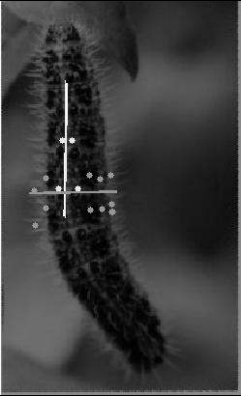
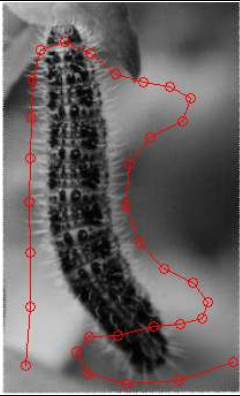
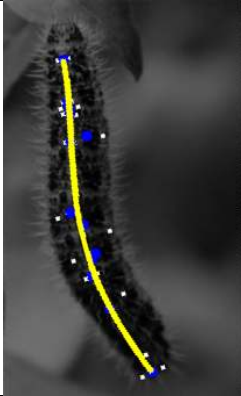


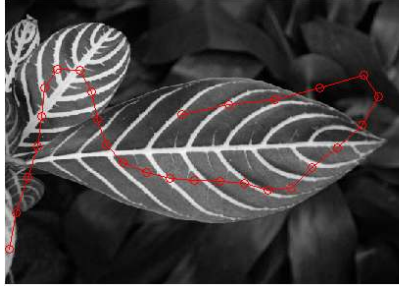
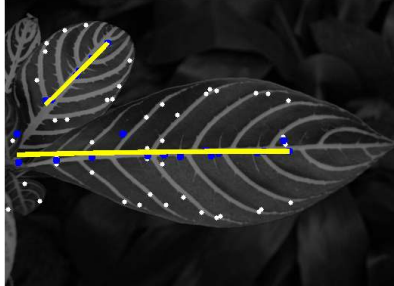
- Experimental results on the various input images for three algorithms (Loy and Eklundh [8], Peng et. al. [13] and ours) are compared.
- Source codes for two previous works ([8] and [13]) are from the respective authors. We used the default settings provided by the code & papers. Peng et. al. results are all based on the gray images.
- Due to the limited application target of the algorithm in [13], it looks to prefer brighter object on the dark background. Therefore, we run the algorithm [13] on both original and inverted gray images with the leaf examples (20~23).
- Straightened outputs of our proposed algorithm are shown for image 8, 9, 19, 22 and 23.


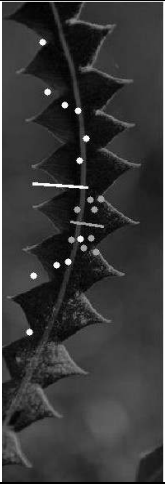
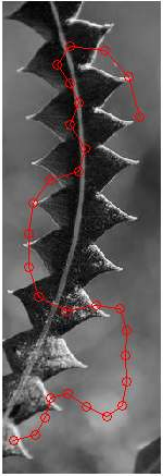
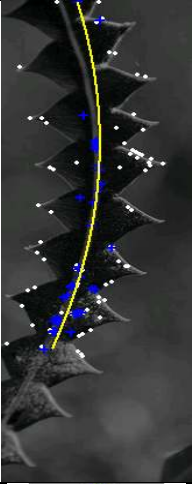


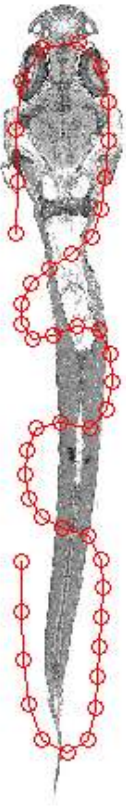
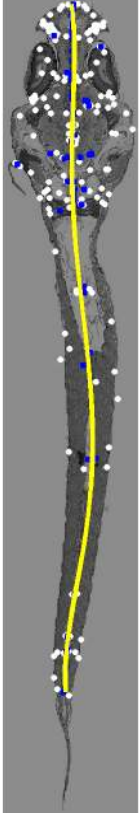

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|---|---|---|---|---|--------------|
| | | | | Axis | Straightened |
| 1 |  |  |  |  | |
| 2 |  |  |  |  | |


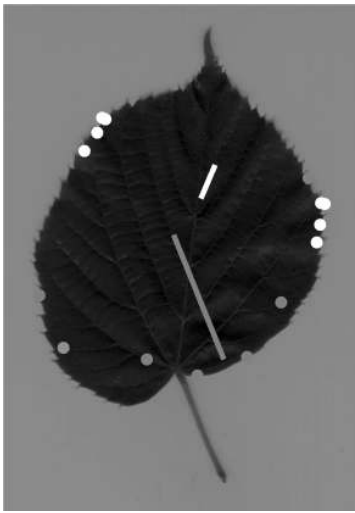
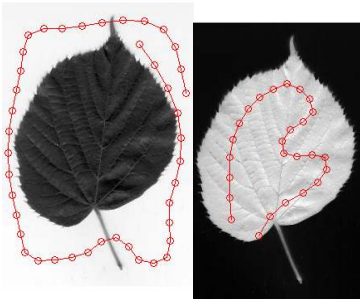
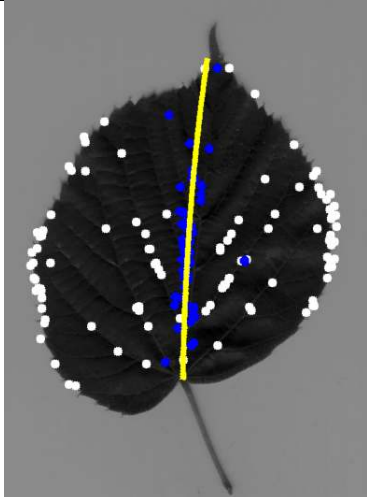

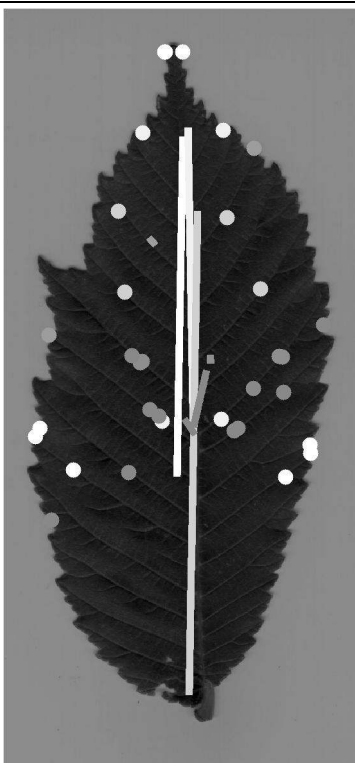

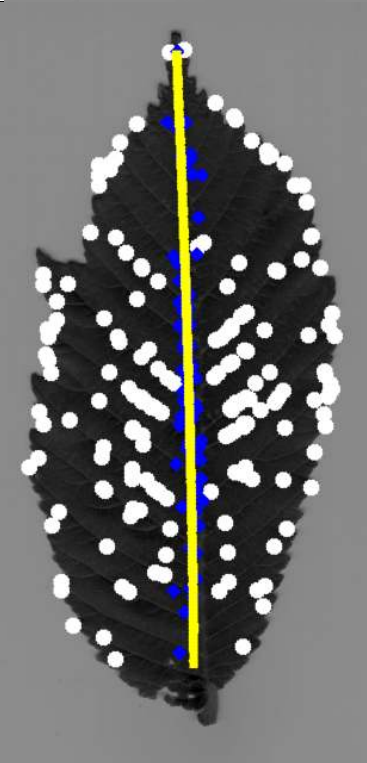
| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|---|---|---|--|---|--------------|
| | | | | Axis | Straightened |
| 3 |  |  |  |  | |
| 4 |  |  |  |  | |
| 5 |  |  |  |  | |
| 6 |  |  |  |  | |


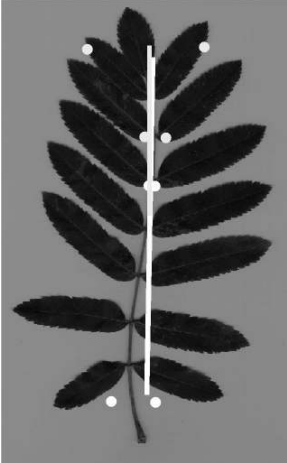
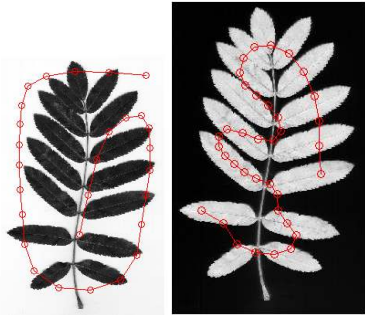
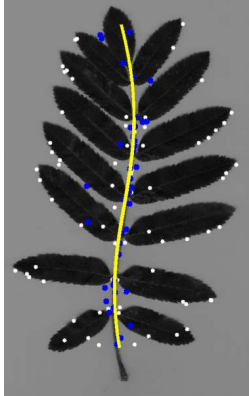


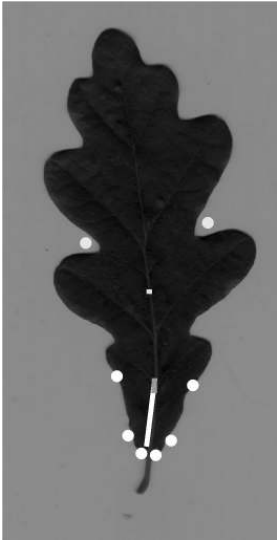
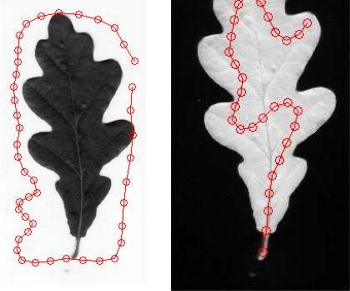
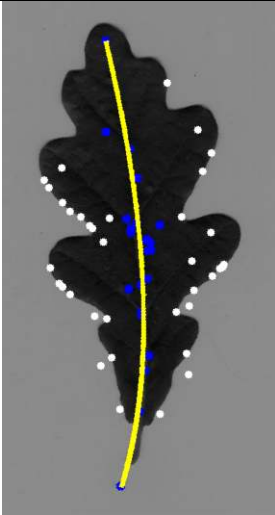

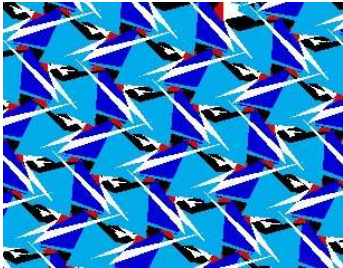
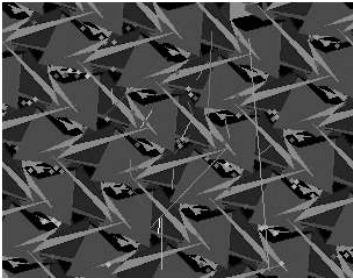
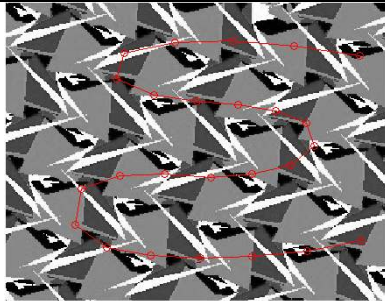
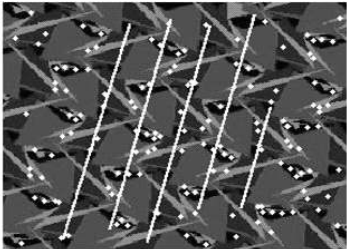

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|---|---|---|--|--|--|
| | | | | Axis | Straightened |
| 7 |  |  |  |  | |
| 8 |  |  |  |  |  |
| 9 |  |  |  |  |  |


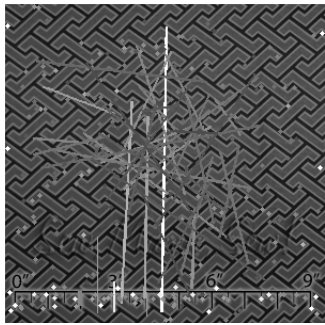
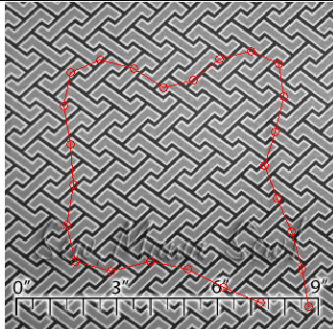
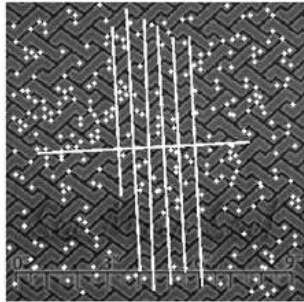

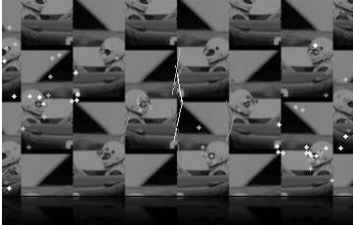
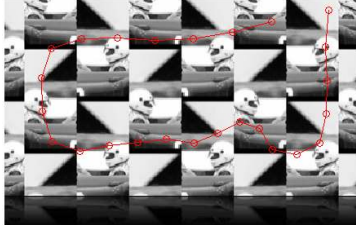
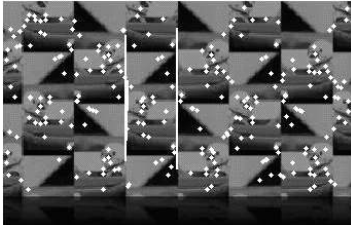


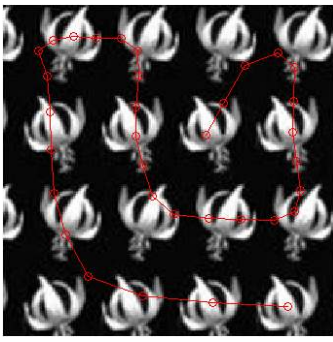
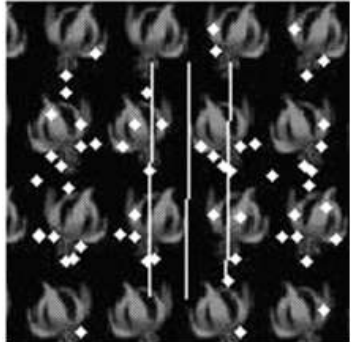
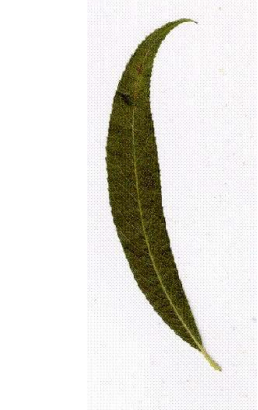
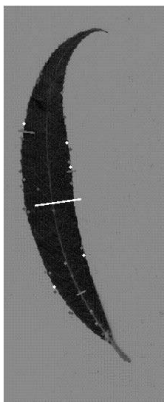
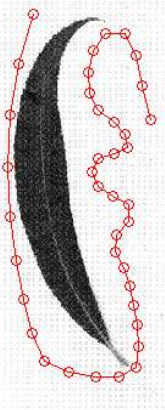
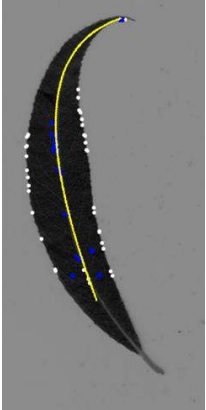
| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|---|---|---|---|--------------|
| | | | | Axis | Straightened |
| 10 |  |  |  |  | |
| 11 |  |  |  |  | |
| 12 |  |  |  |  | |
| 13 |  |  |  |  | |



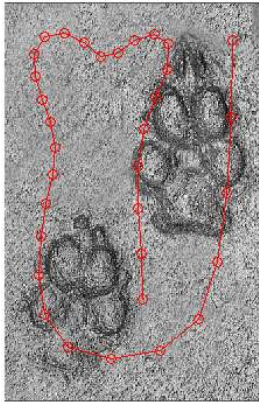
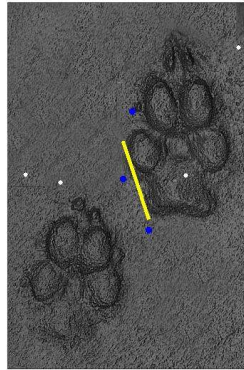



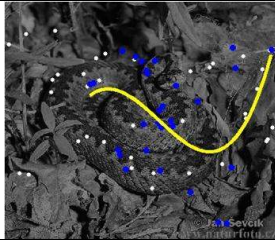



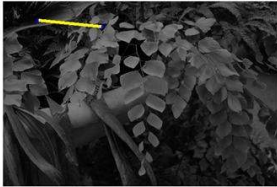


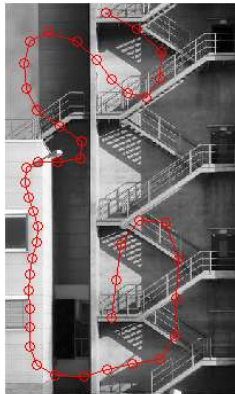
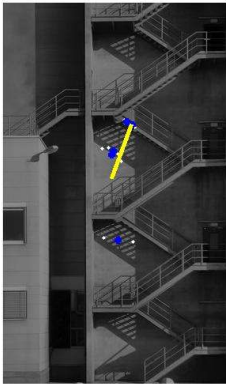
| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|---|---|--|---|--------------|
| | | | | Axis | Straightened |
| 14 |  |  |  |  | |
| 15 |  |  |  |  | |
| 16 |  |  |  |  | |
| 17 |  |  |  |  | |


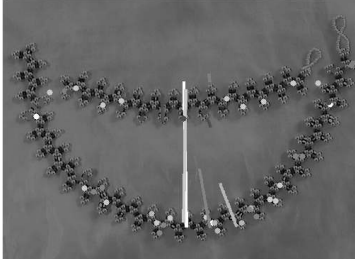
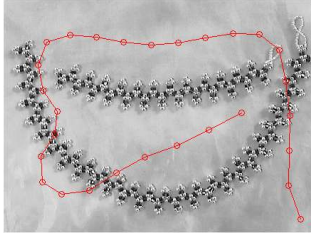
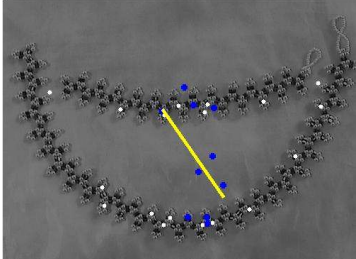


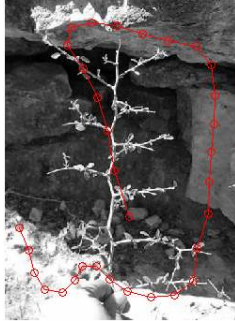
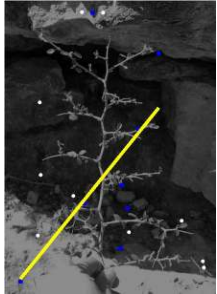

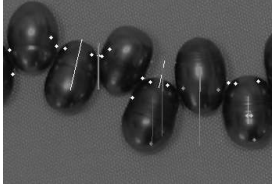
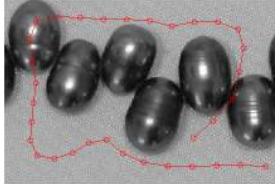
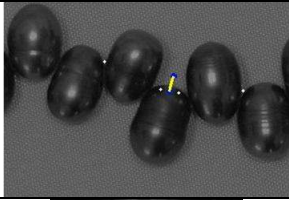




| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|--|--|--|--|--|
| | | | | Axis | Straightened |
| 18 |  |  |  |  | |
| 19 |  |  |  |  |  |




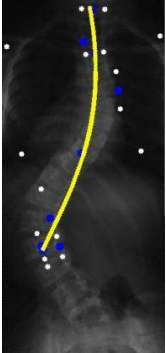


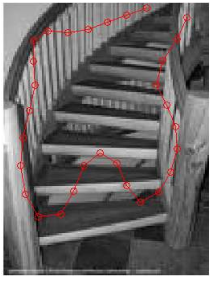


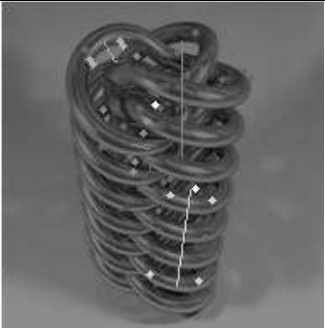
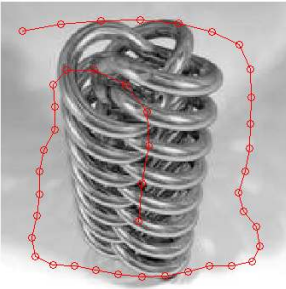
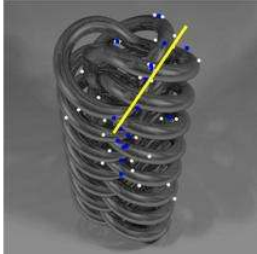




| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|--|--|--|--|--------------|
| | | | | Axis | Straightened |
| 20 |  |  |  |  | |
| 21 |  |  |  |  | |

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|---|---|--|---|---|
| | | | | Axis | Straightened |
| 22 |  |  |  |  |  |
| 23 |  |  |  |  |  |
| 24 |  |  |  |  |  |

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|---|---|---|---|--------------|
| | | | | Axis | Straightened |
| 25 |  |  |  |  | |
| 26 |  |  |  |  | |
| 27 |  |  |  |  | |
| 28 |  |  |  |  | |

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|---|---|---|---|--------------|
| | | | | Axis | Straightened |
| 29 |  |  |  |  | |
| 30 |  |  |  |  | |
| 31 |  |  |  |  | |
| 32 |  |  |  |  | |

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|--|--|--|--|--------------|
| | | | | Axis | Straightened |
| 33 |  |  |  |  | |
| 34 |  |  |  |  | |
| 35 |  |  |  |  | |
| 36 |  |  |  |  | |

| # | Input image | Loy and Eklundh [8] (reflection axis) | Peng et. al. [13] (skeleton) | Ours | |
|----|---|---|---|---|--------------|
| | | | | Axis | Straightened |
| 37 |  |  |  |  | |
| 38 |  |  |  |  | |
| 39 |  |  |  |  | |
| 40 |  |  |  |  | |