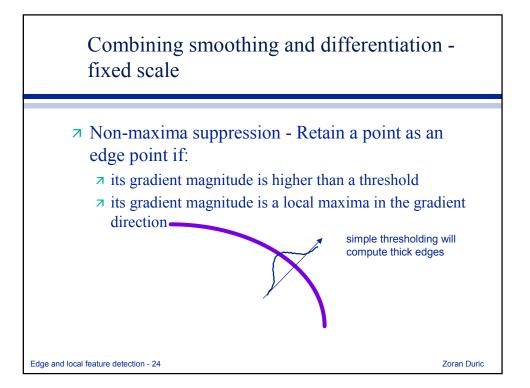
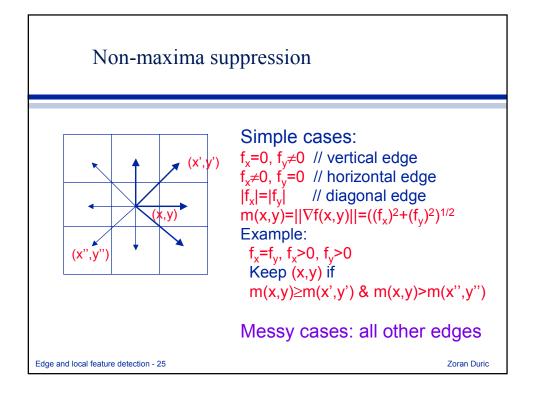
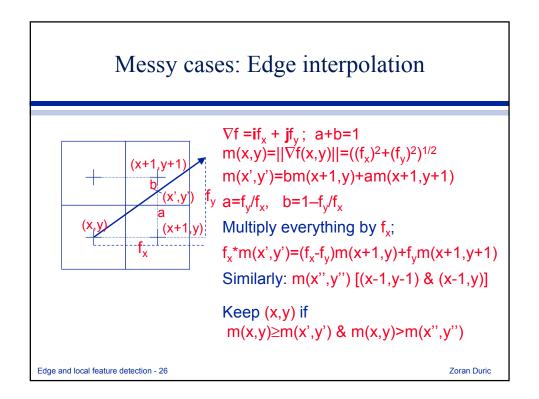
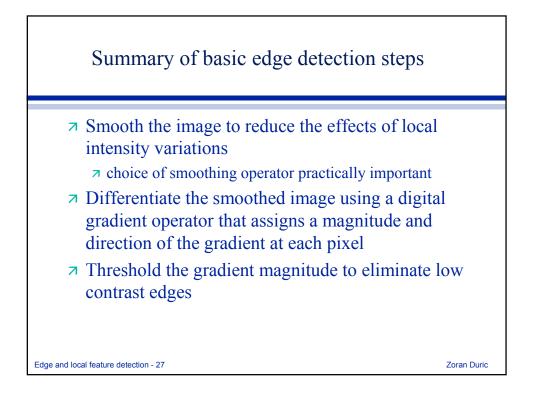


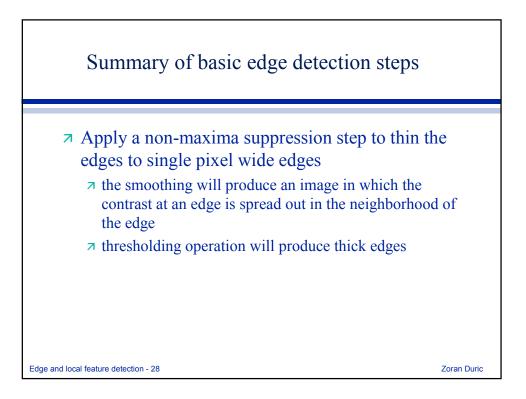
| Use binomial filters as approximations of Gaussians |             |             |                        |         |             |  |  |
|---|-------------|-------------|------------------------|---------|-------------|--|--|
| Faster computations, integer operations             |             |             |                        |         |             |  |  |
| p (c  | order)      | f (coeff.)  | Filter                 | σ²= p/4 |             |  |  |
|   | 1           | 1/2         | 11                     | 1/4     |             |  |  |
|   | 2           | 1/4         | 121                    | 1/2     |             |  |  |
|   | 3           | 1/8         | 1 3 3 1                | 3/4     |             |  |  |
|   | 4           | 1/16        | 14641                  | 1       |             |  |  |
|   | 5           | 1/32        | 1 5 10 10 5 1          | 5/4     |             |  |  |
|   | 6           | 1/64        | 1 6 15 20 15 6 1       | 3/2     |             |  |  |
|   | 7           | 1/128       | 1 7 21 35 35 21 7 1    | 7/4     |             |  |  |
|   | 8           | 1/256       | 1 8 28 56 70 56 28 8 1 | 2       |             |  |  |
| Edge and local                                      | feature det | ection - 23 |                        |         | Zoran Duric |  |  |

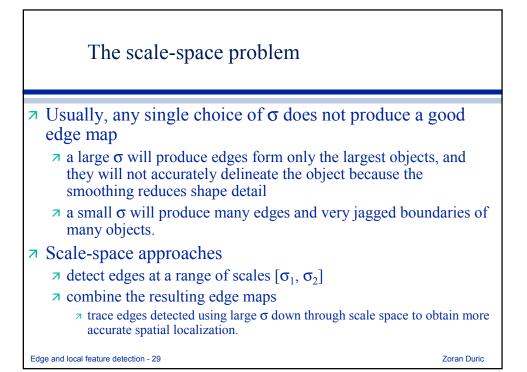


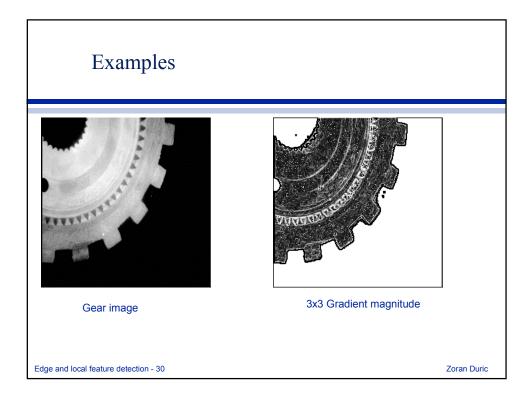


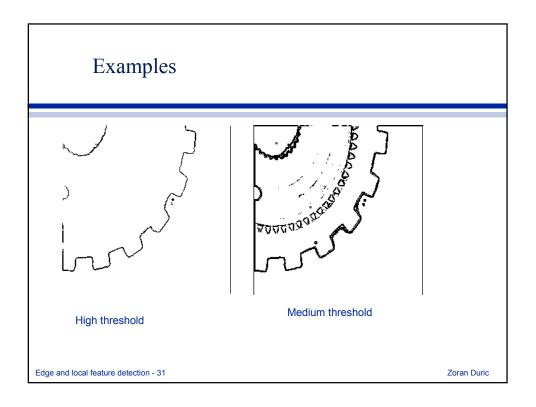


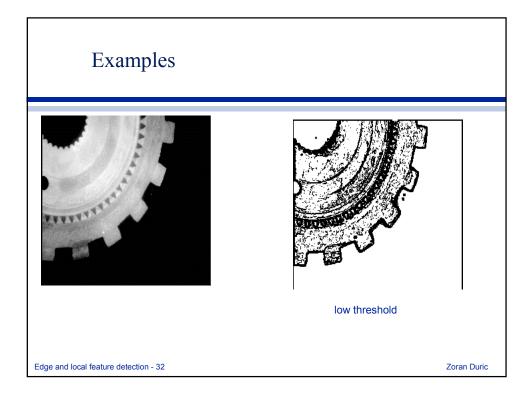


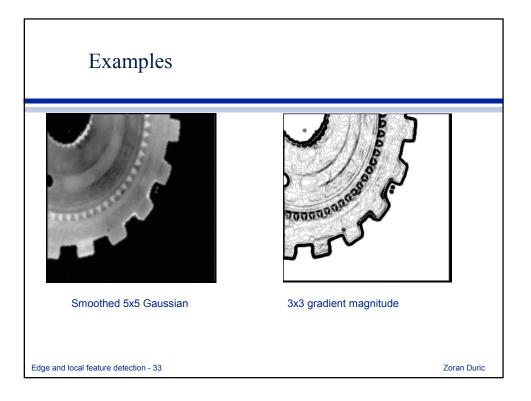


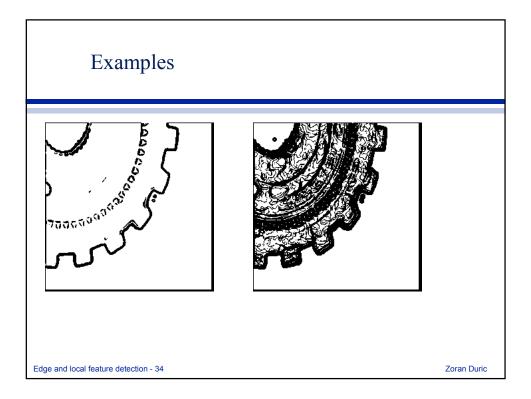


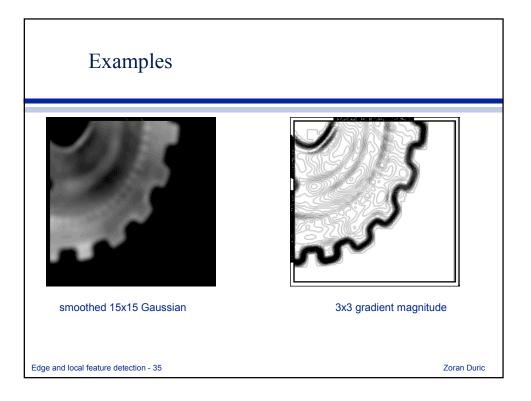


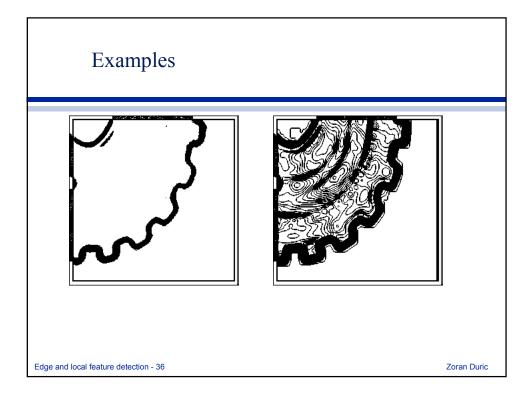


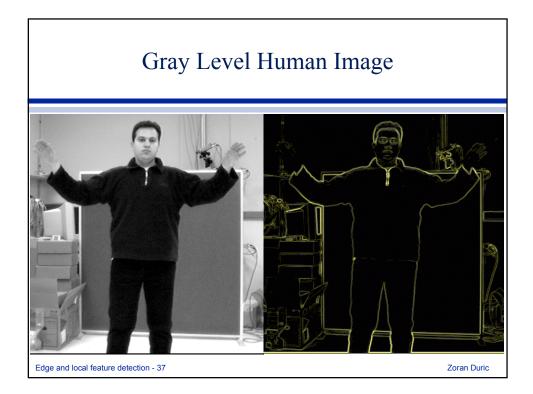


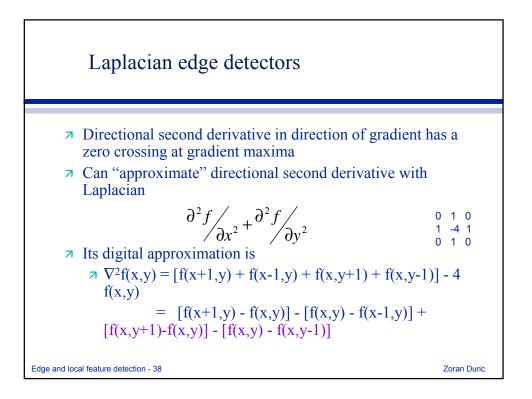


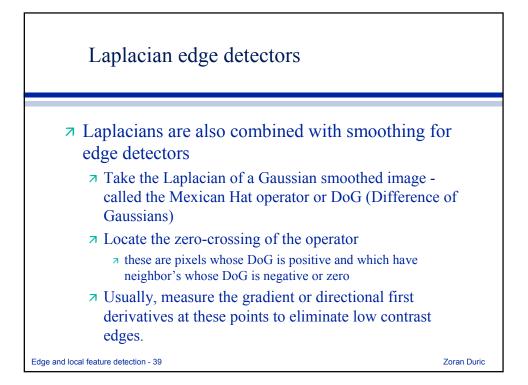


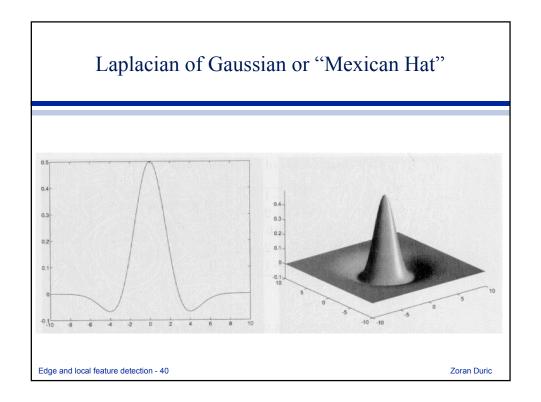


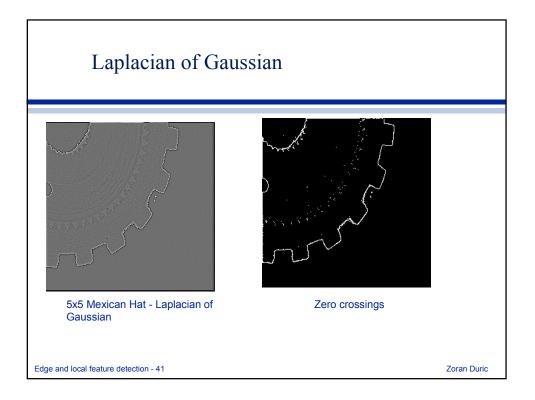


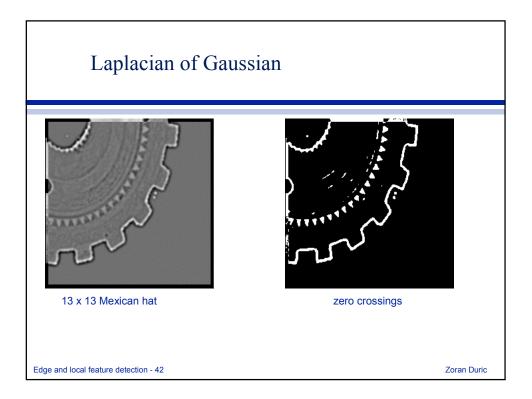


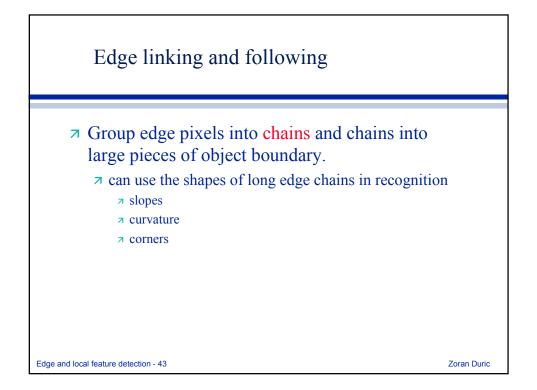


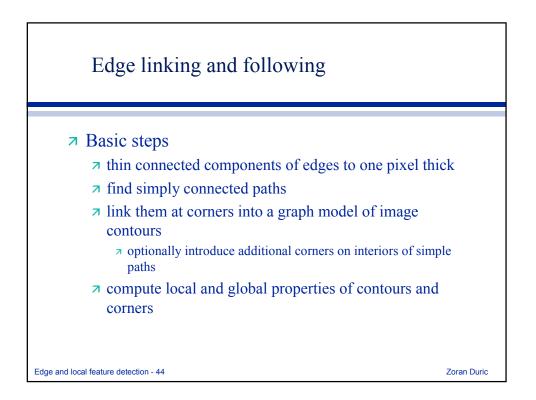


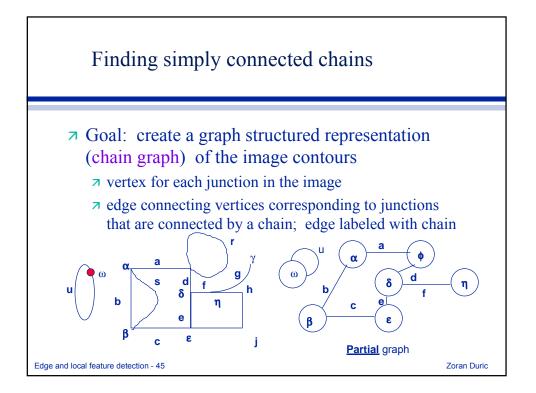


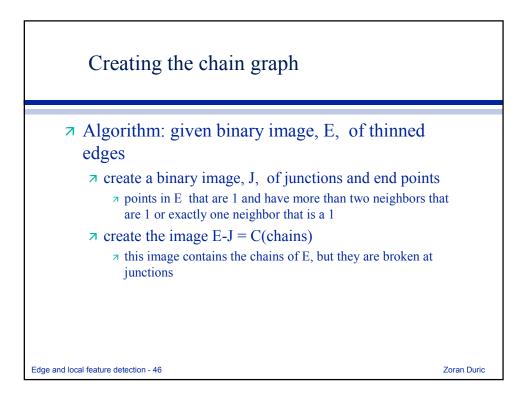


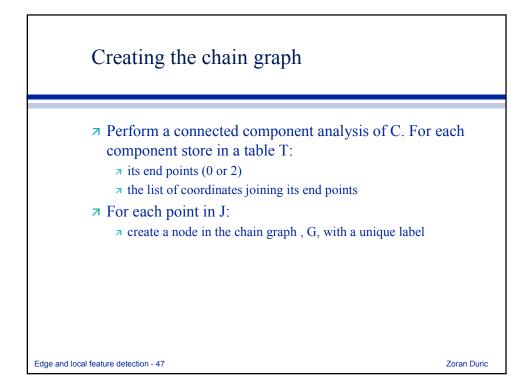


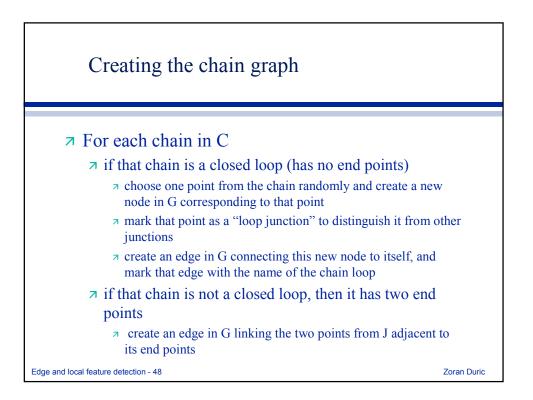


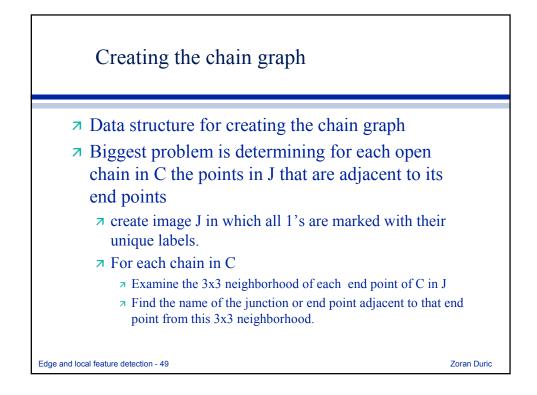


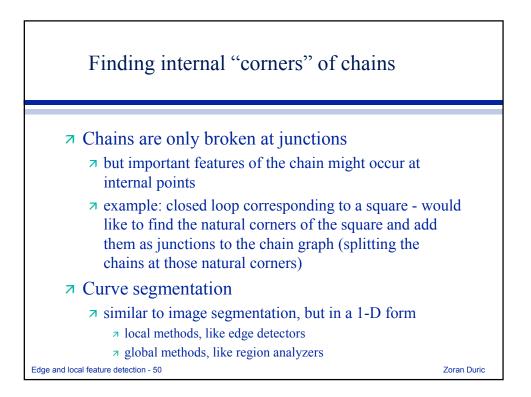


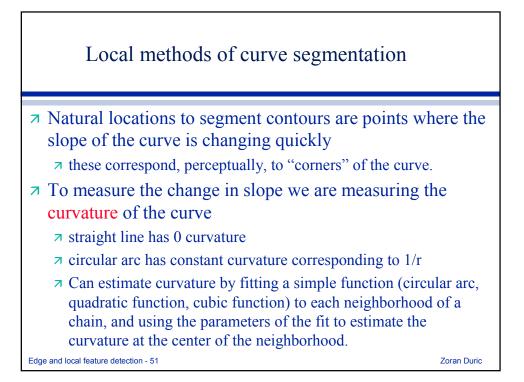


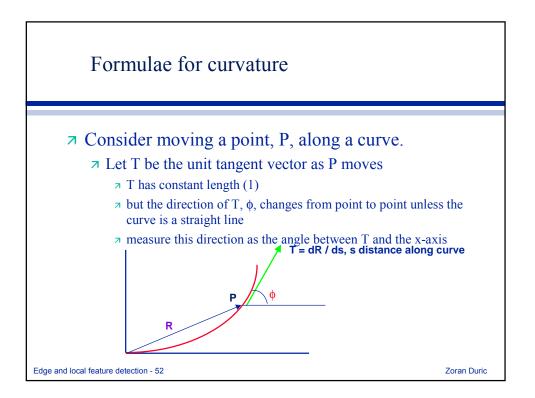


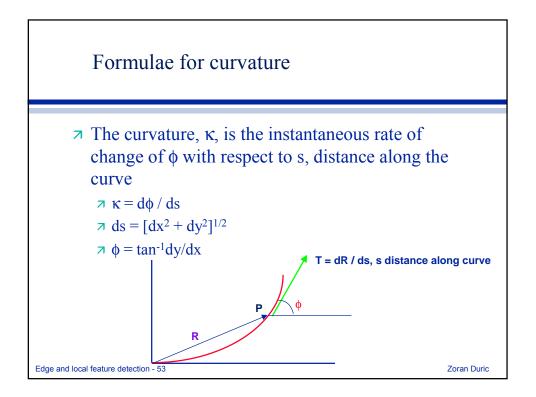


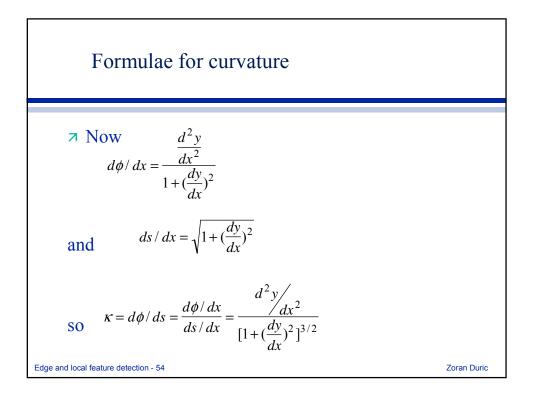


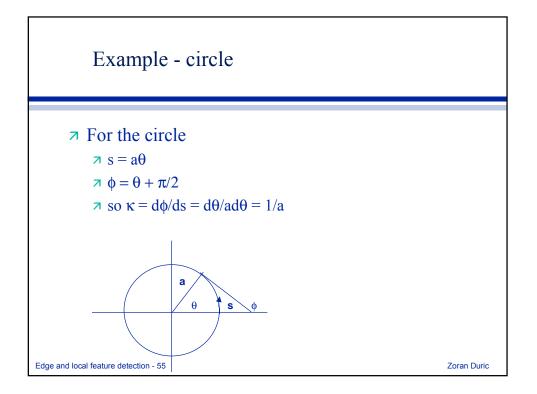


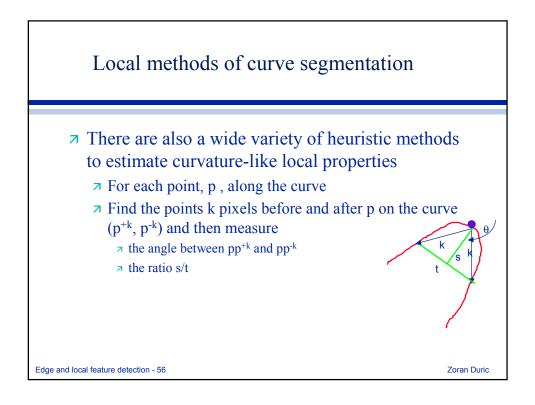


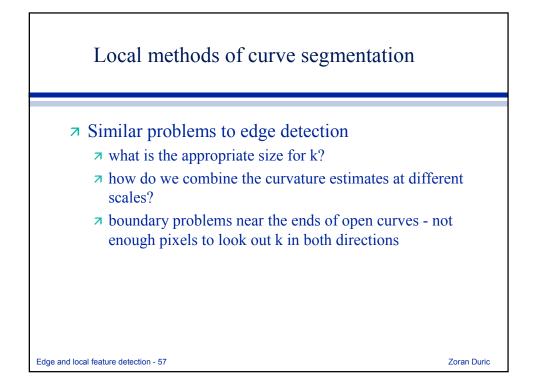


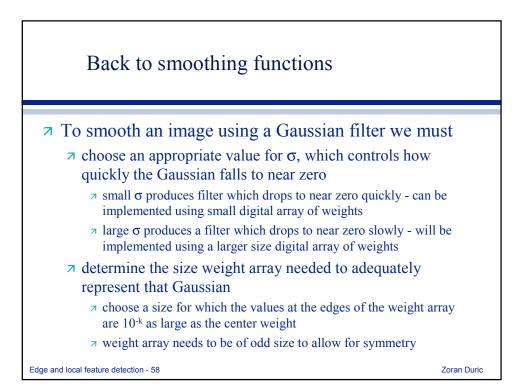


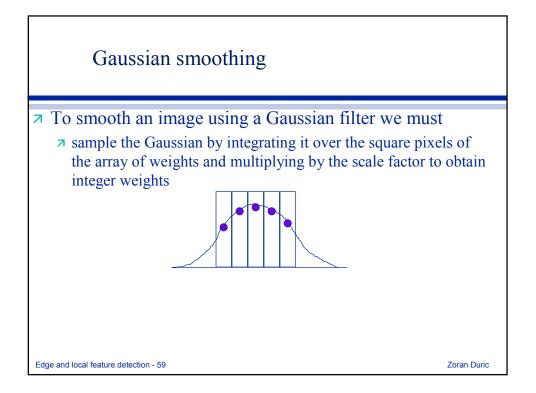


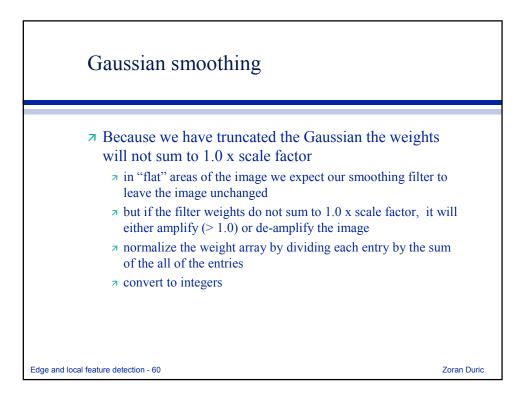












| Use binomial filters as approximations of Gaussians |             |                        |         |             |  |  |  |  |
|---|-------------|------------------------|---------|-------------|--|--|--|--|
| Faster computations, integer operations             |             |                        |         |             |  |  |  |  |
| p (order)   | f (coeff.)  | Filter                 | σ²= p/4 |             |  |  |  |  |
| 1   | 1/2         | 11                     | 1/4     |             |  |  |  |  |
| 2   | 1/4         | 121                    | 1/2     |             |  |  |  |  |
| 3   | 1/8         | 1331                   | 3/4     |             |  |  |  |  |
| 4   | 1/16        | 14641                  | 1       |             |  |  |  |  |
| 5   | 1/32        | 1 5 10 10 5 1          | 5/4     |             |  |  |  |  |
| 6   | 1/64        | 1 6 15 20 15 6 1       | 3/2     |             |  |  |  |  |
| 7   | 1/128       | 1 7 21 35 35 21 7 1    | 7/4     |             |  |  |  |  |
| 8   | 1/256       | 1 8 28 56 70 56 28 8 1 | 2       |             |  |  |  |  |
| Edge and local feature det                          | ection - 61 |                        |         | Zoran Duric |  |  |  |  |

