| Dilation | Erosion |
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| It increases the size of the objects. | It decreases the size of the objects. |
| It fills the holes and broken areas. | It removes the small anomalies. |
| It connects the areas that are separated by space smaller than structuring element. | It reduces the brightness of the bright objects. |
| It increases the brightness of the objects. | It removes the objects smaller than the structuring element. |
| Distributive, duality, translation and decomposition properties are followed. | It also follows the different properties like duality etc. |
| It is XOR of A and B. | It is dual of dilation. |
| It is used prior in Closing operation. | It is used later in Closing operation. |
| It is used later in Opening operation. | It is used prior in Opening opeartion. |