|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Point Operation Comparison** | | | | | | | | | |
|  | **Operation-01 Thresholding** | | | **Operation-02 Negative** | | | **Operation-03 Log Transform (C is set to 1**  **)** | | |
| **Number of Images** | **Thresholding**  **Formula** | **Thresholding**  **Formula**  **Looping Through Each Pixel** | **Thresholding**  **LUT** | **Negative**  **Formula** | **Negative**  **Formula**  **Looping Through Each Pixel** | **Negative**  **LUT** | **Log Transform**  **Formula** | **Log Transform**  **Formula**  **Looping Through Each Pixel** | **Log Transform**  **LUT** |
| **1** | **0.0061283111572265625** | **0.19911885261535645** | **0.0509951114654541** | **0.00010013580322265625** | **0.2422018051147461** | **0.05110883712768555** | **0.01605057716369629** | **0.4549229145050049** | **0.05583953857421875** |
| **10** | **0.0036268234252929688** | **1.9647955894470215** | **0.510002613067627** | **0.0004961490631103516** | **2.4352855682373047** | **0.5083703994750977** | **0.09789061546325684** | **4.572818994522095** | **0.5587353706359863** |
| **20** | **0.007162332534790039** | **3.884658098220825** | **1.021385908126831** | **0.0008122920989990234** | **4.8694376945495605** | **1.0172574520111084** | **0.19523048400878906** | **9.0942702293396** | **1.1141953468322754** |
| **30** | **0.010217905044555664** | **5.796306610107422** | **1.5323946475982666** | **0.0023670196533203125** | **7.403454065322876** | **1.5239324569702148** | **0.29247021675109863** | **13.882511138916016** | **1.6729707717895508** |
| **50** | **0.04387807846069336** | **9.83347201347351** | **2.60214900970459** | **0.0037364959716796875** | **12.500495910644531** | **2.5861546993255615** | **0.4971177577972412** | **23.44220805168152** | **2.853156566619873** |