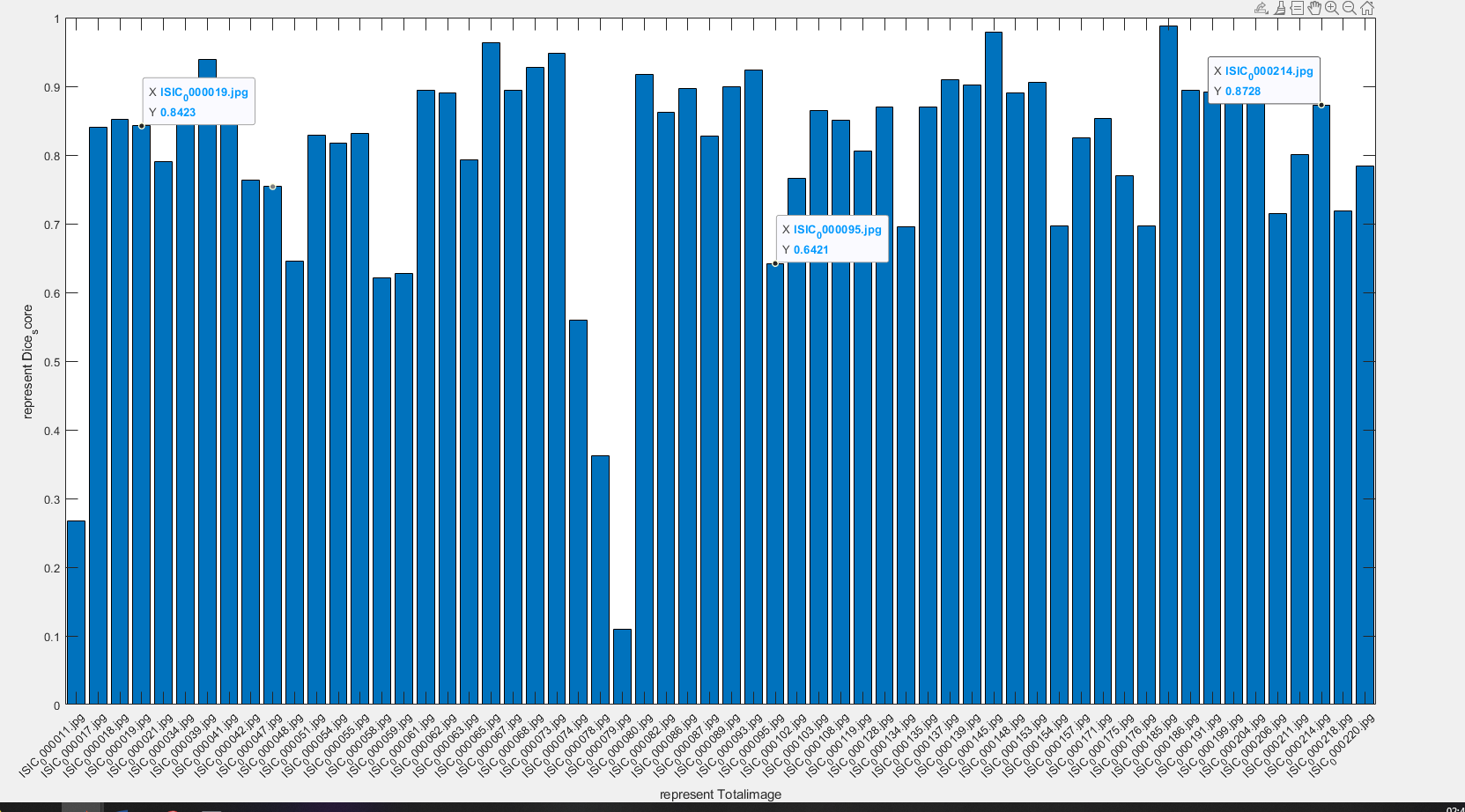
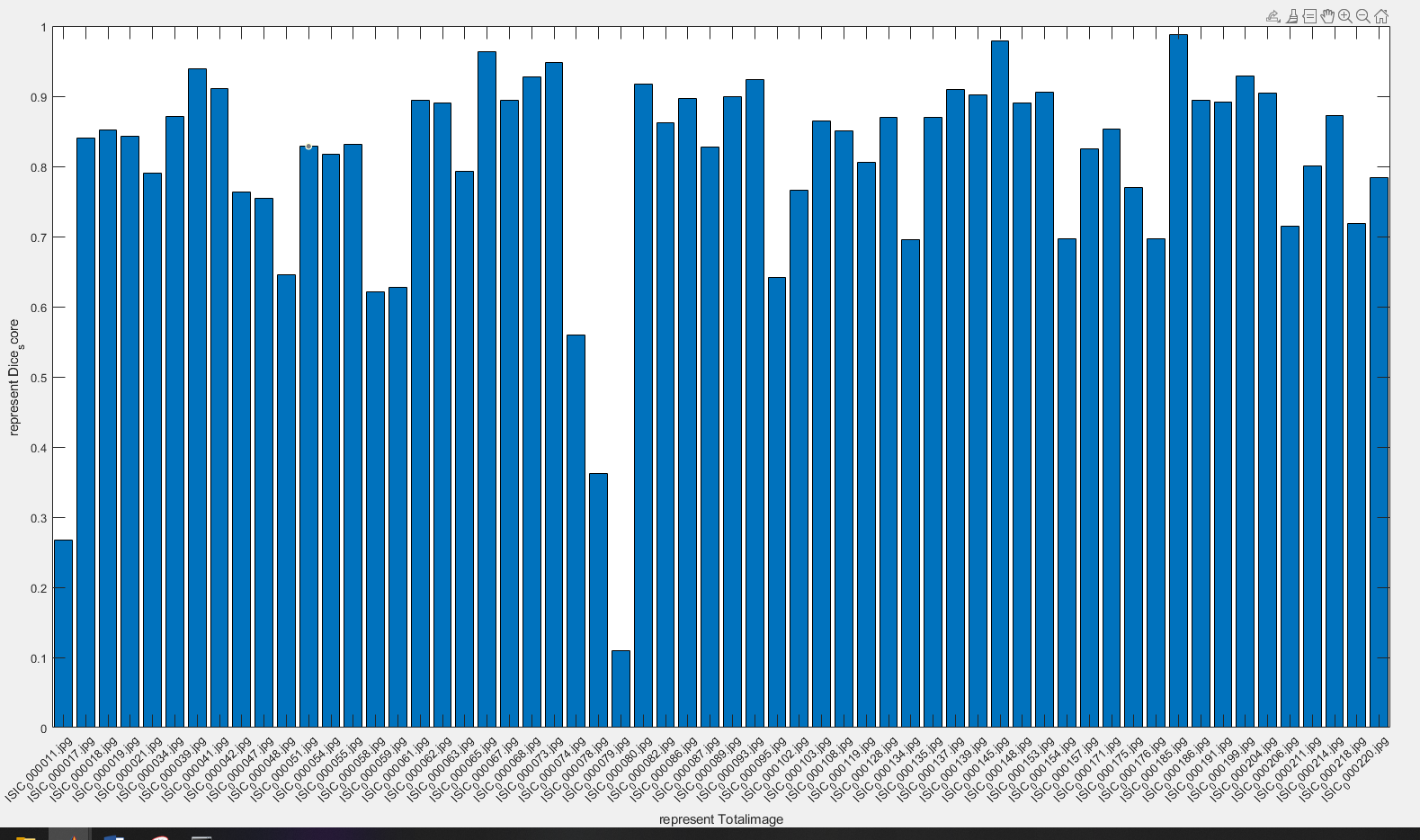
|  |  |  |  |
| --- | --- | --- | --- |
| **Skin images** | **Original images** | **Final segmented lesion binary images** | **Calculated Dice Similarity value** |
| **ISIC\_0000019** | **C:\Users\Computing\Desktop\0000019.PNG** | **C:\Users\Computing\Desktop\19.PNG** | **0.8423** |
| **ISIC\_0000095** | **C:\Users\Computing\Desktop\0000095.PNG** | **C:\Users\Computing\Desktop\95.PNG** | **0.6421** |
| ISIC\_0000214 | **C:\Users\Computing\Desktop\0000214.PNG** | **C:\Users\Computing\Desktop\214.PNG** | **0.8728** |

**Fig 1: Three Skin Images for ISIC\_0000019, ISIC\_0000095, and ISIC\_0000214,**



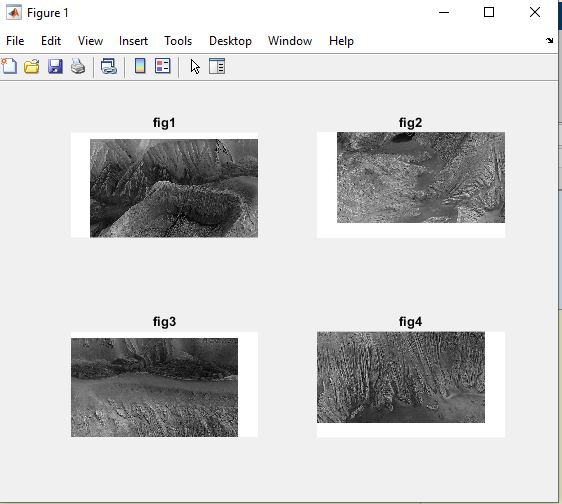
**Fig 2: Number of Image versus Dice Similarity Scor**



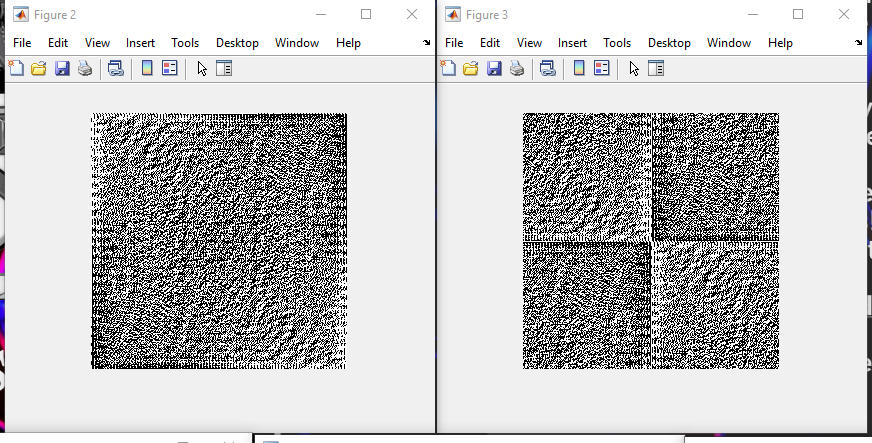
**Fig 3: Dice Similarity score versus Original Image**

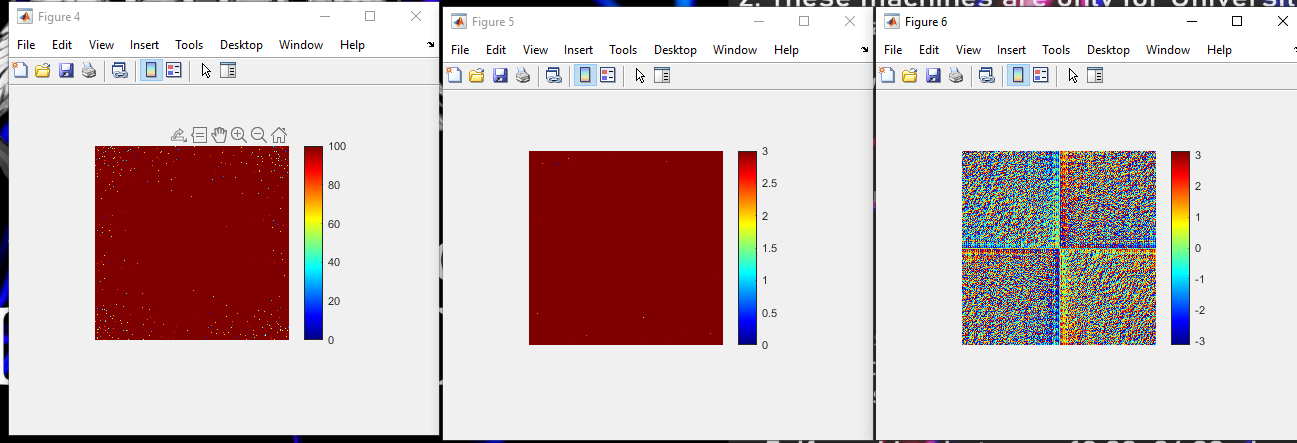


**Fig 4: READ THE IMAGE (ImgPIA.jpg)**

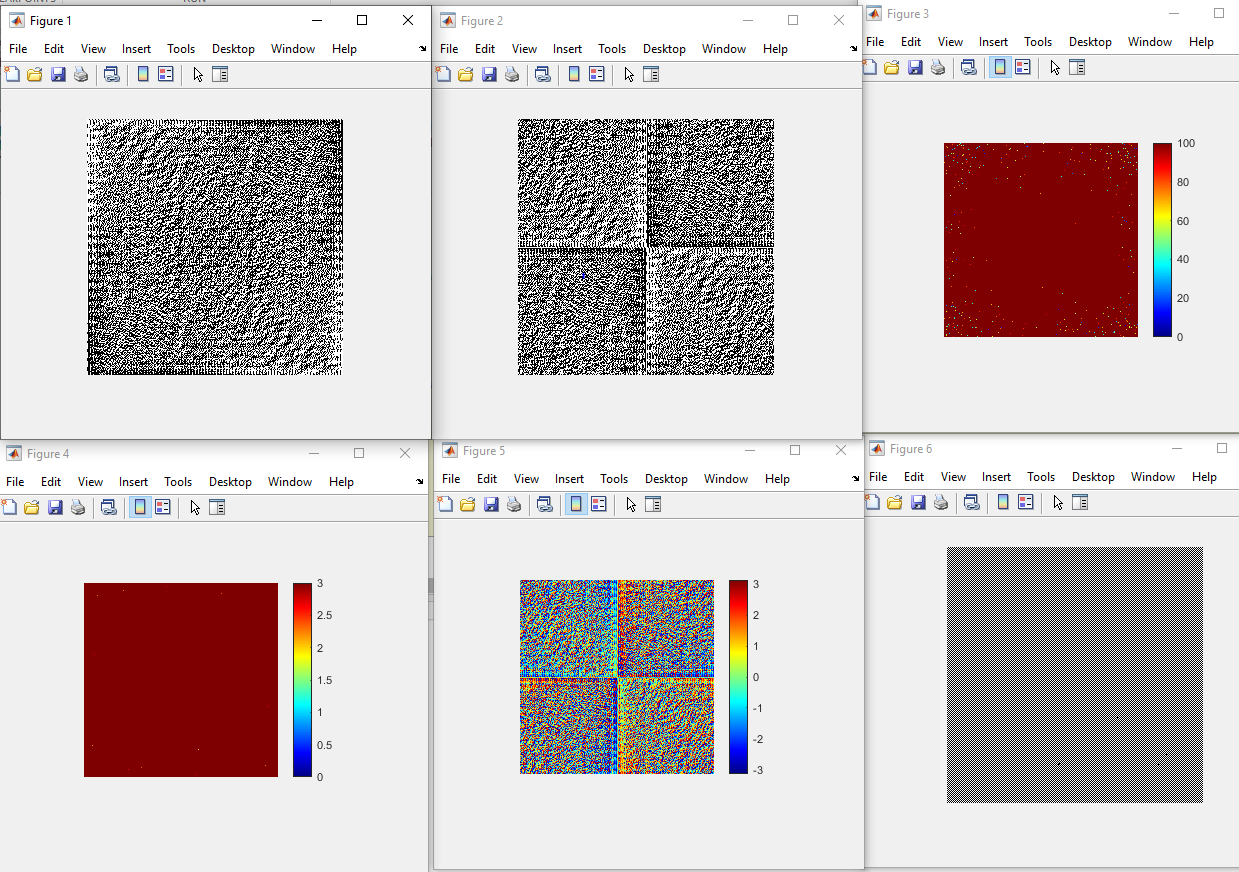


**Fig 5: SEGMENT INTO SECTION**

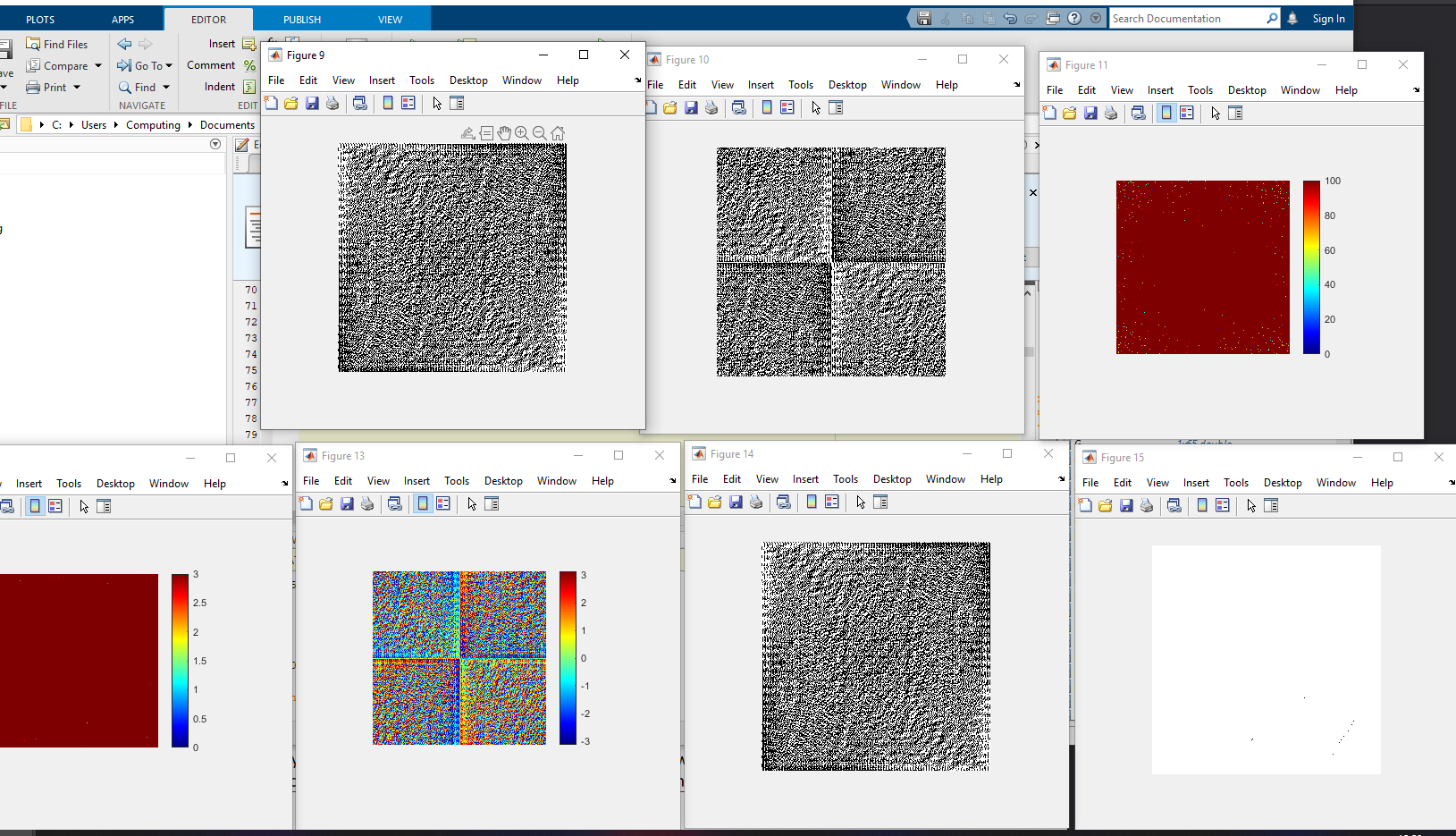




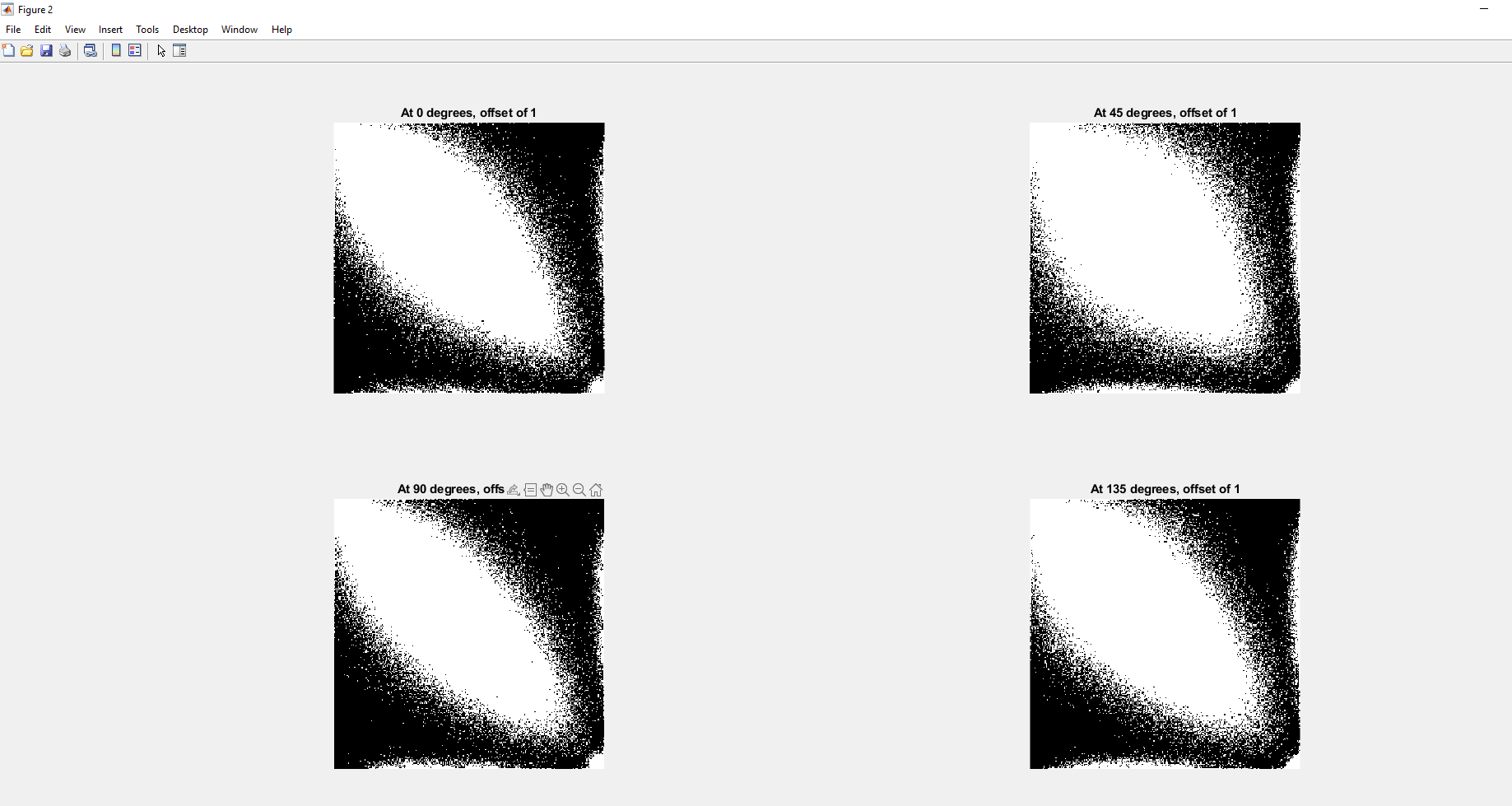
**Fig 6: WHEN INVERSE FOURIER TRANSFORM WAS FIRST APPLIED** Ans **= 5.158801618675188e+00, Ans = 10136717**



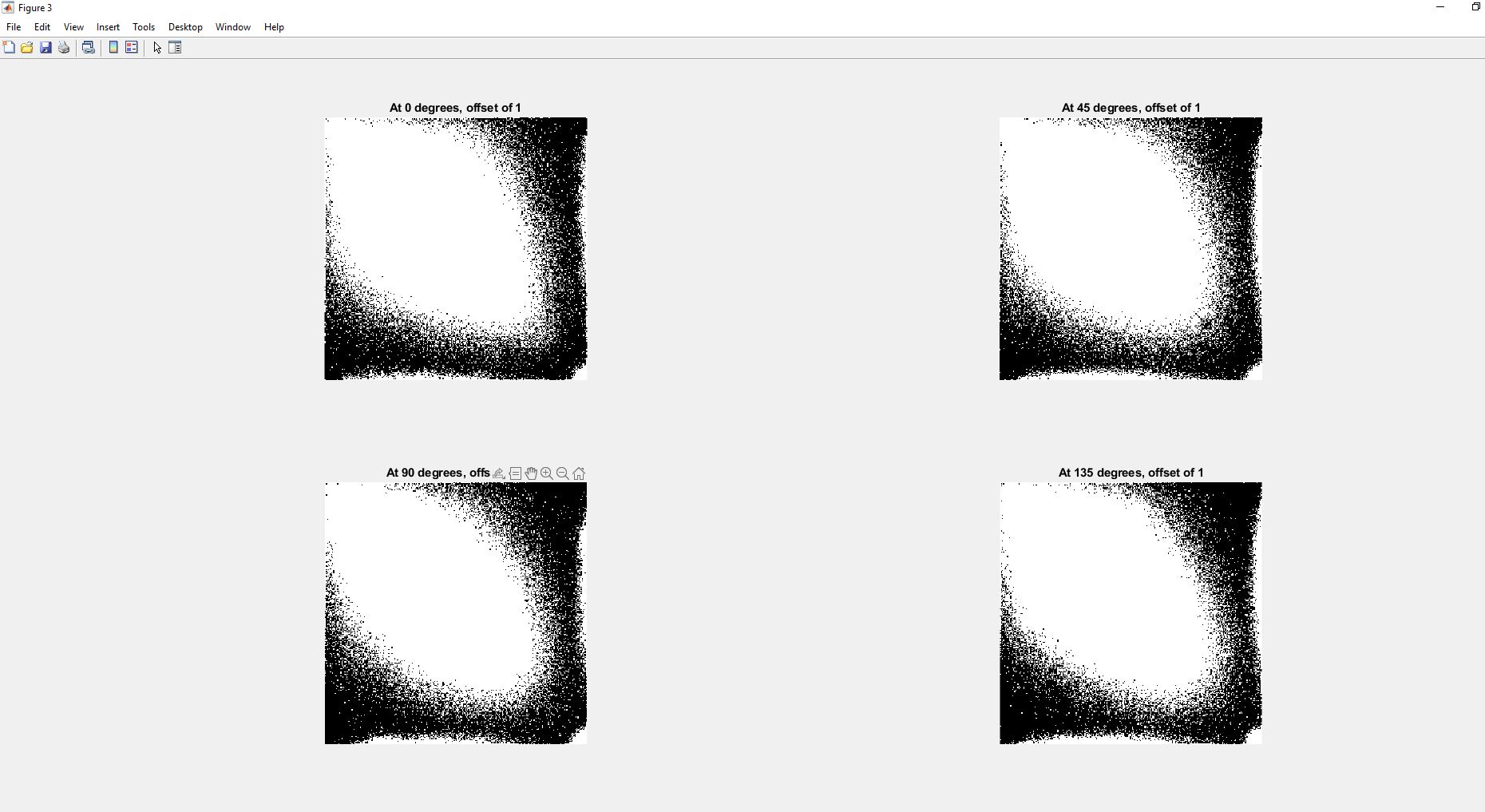
**Fig 7: WHEN FOURIER TRANSFORM WAS FIRST APPLIED** **Ans = 5.158801618675188e+00, Ans =** 10136717



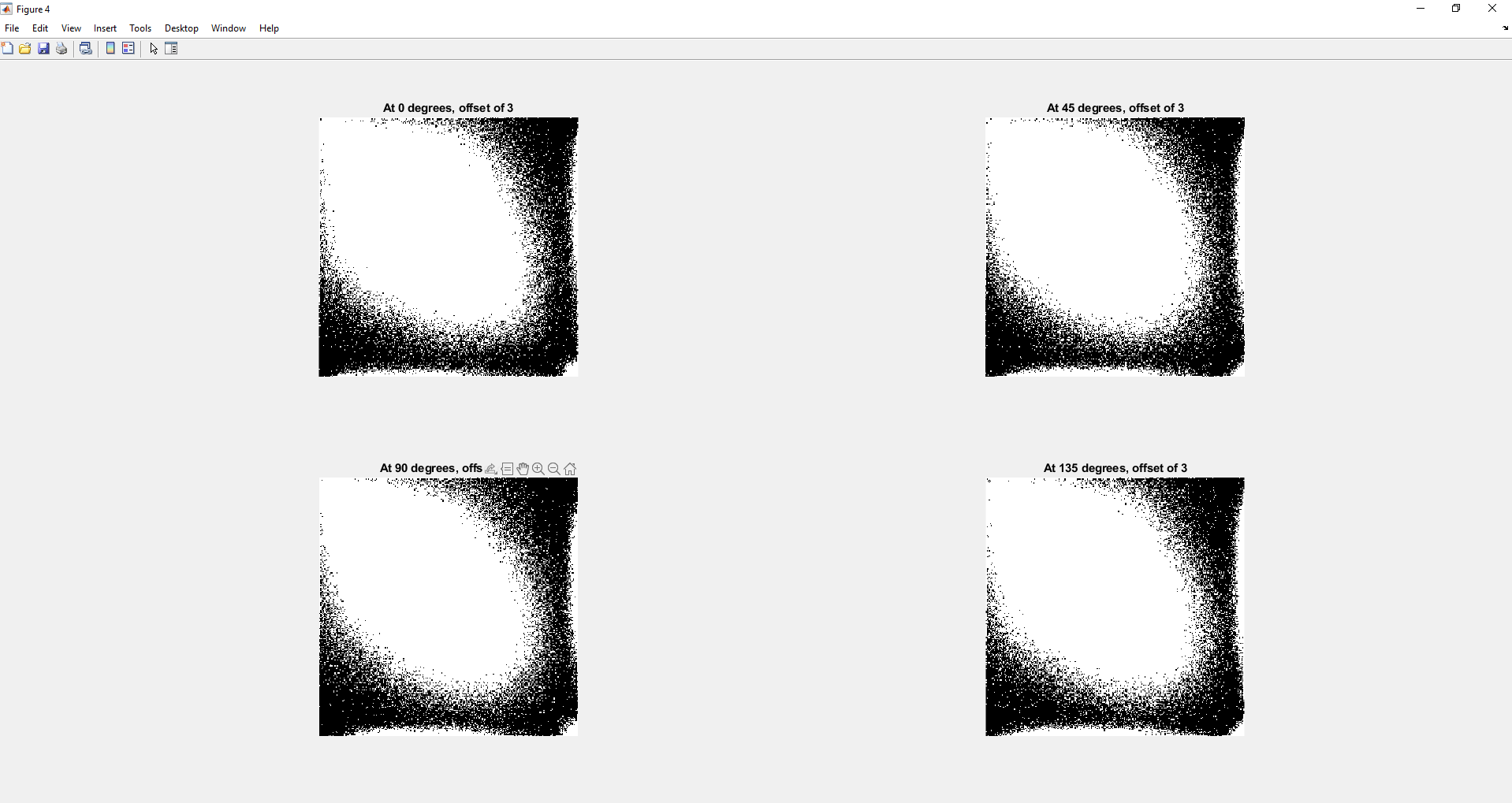
**Fig 8: WHEN BOTH FOURIER AND INVERSE FAST TRANSFORM WAS APPLIED** **Ans = 5.158801618675188e+00, Ans = 10136717**



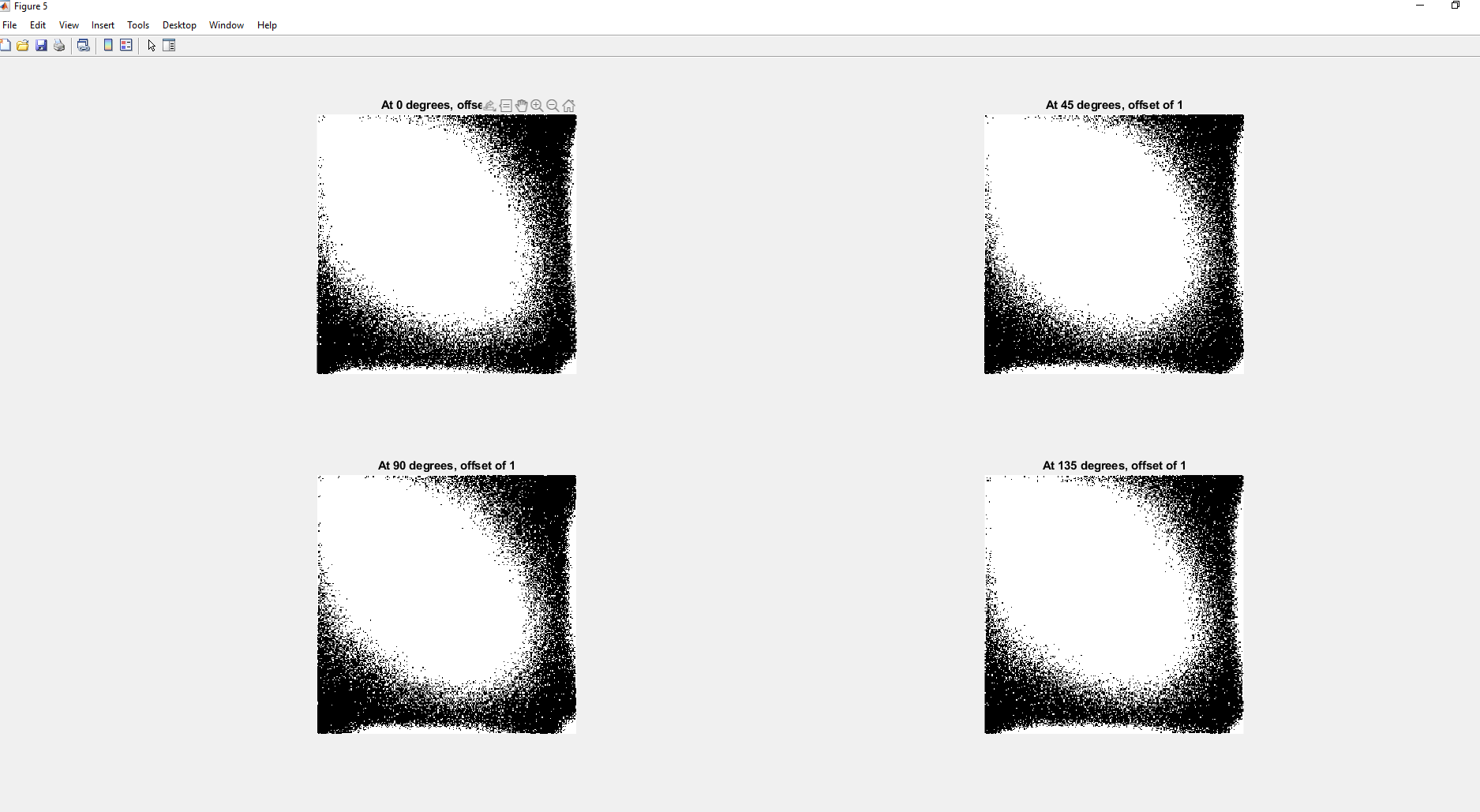
**Fig. 9: PARAMETER D AT 1 AT DIFFERENT ANGLE AND OFFSET**



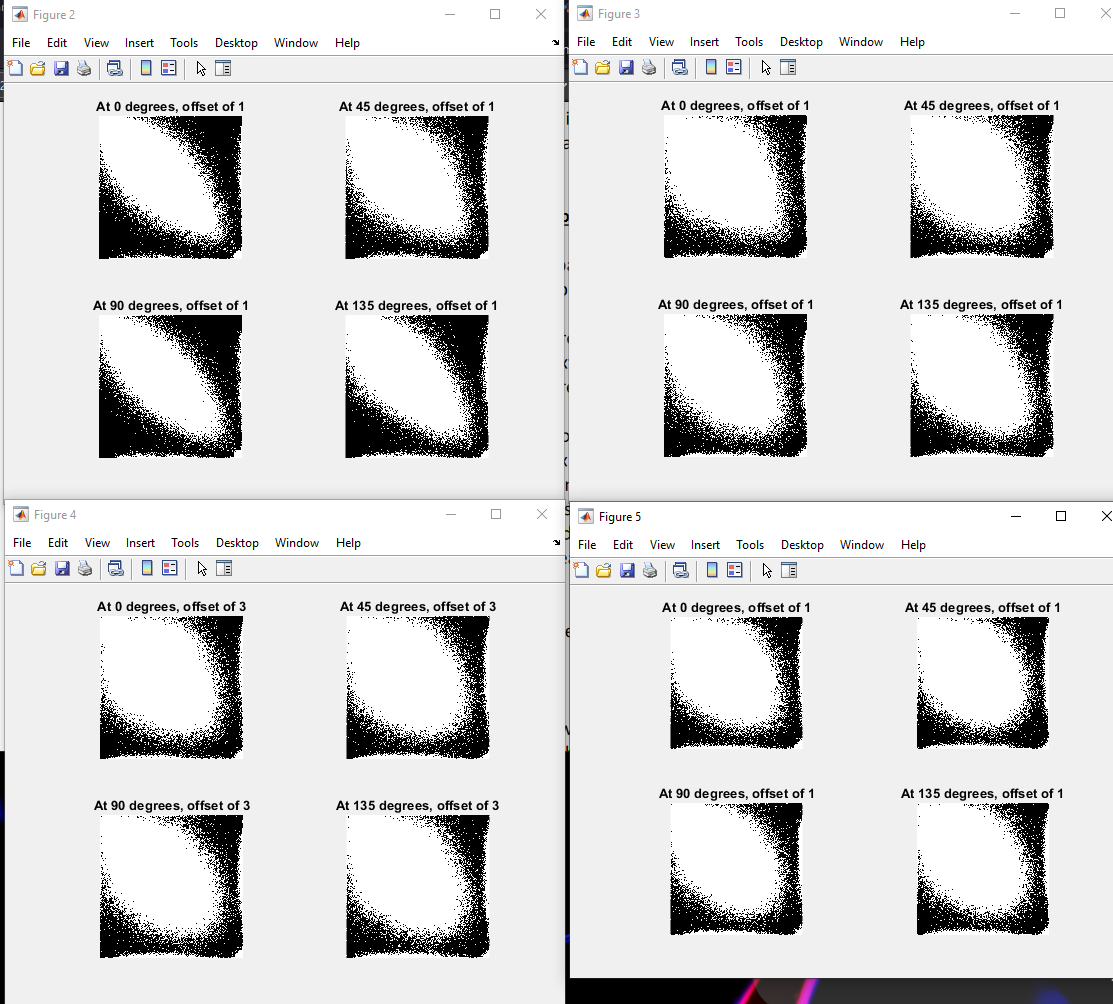
**Fig 10: PARAMETER D AT 2 AT DIFFERENT ANGLE AND OFFSET**



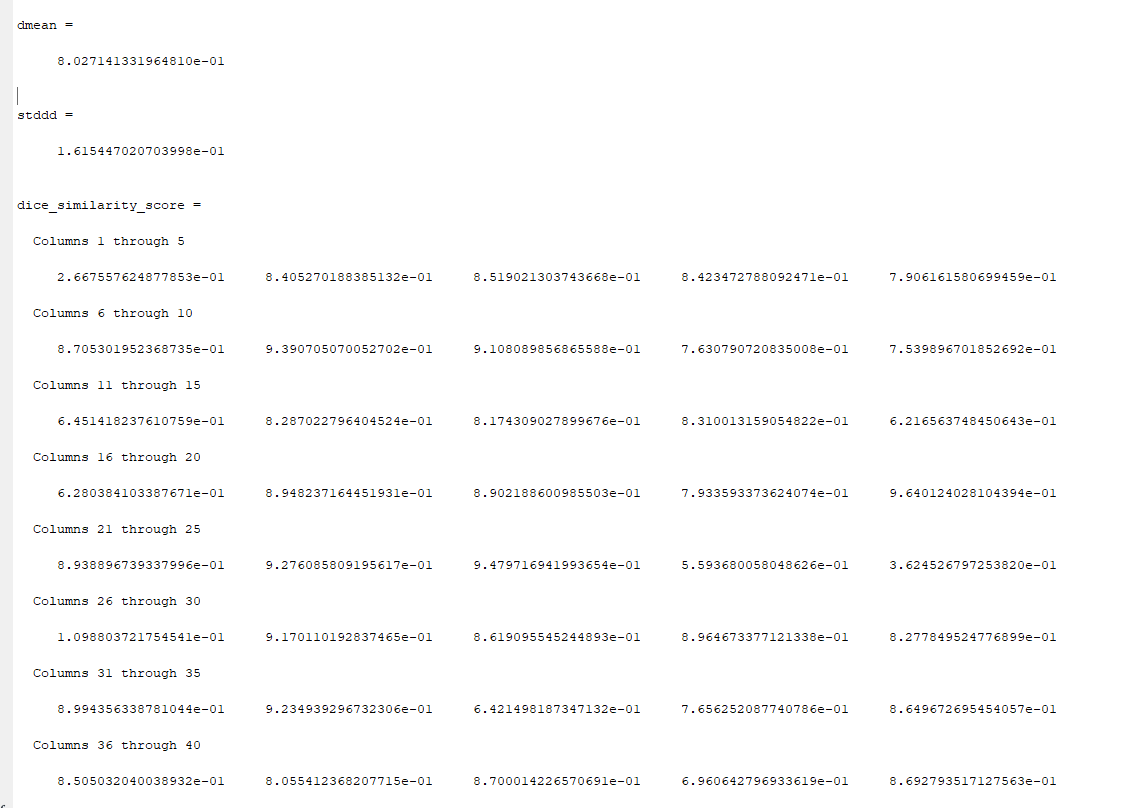
**Fig. 11 PARAMETER D AT 3 AT DIFFERENT ANGLE AND OFFSET**

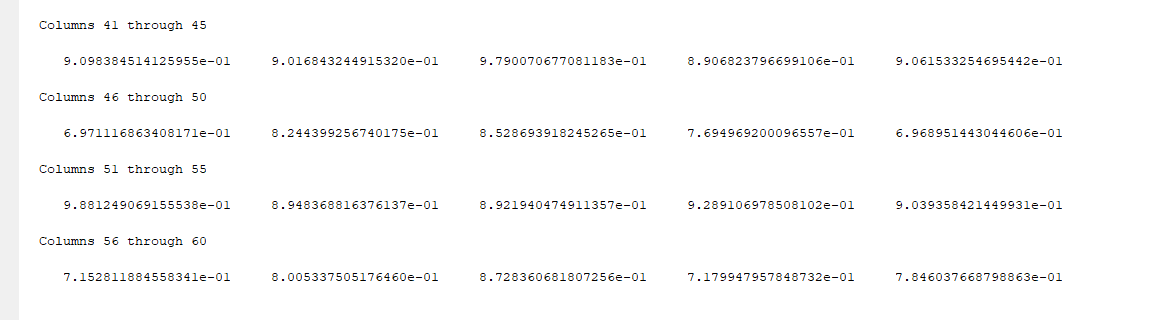


**Fig: 12 PARAMETER D AT 4 AT DIFFERENT ANGLE AND OFFSET**

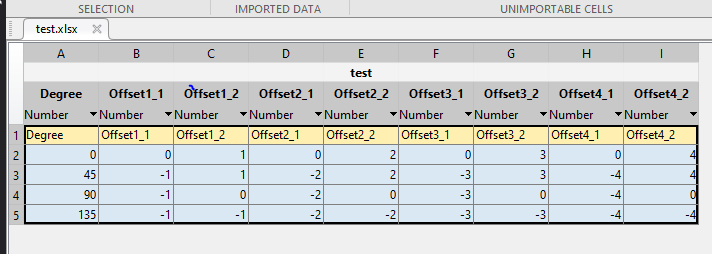


**Fig. 13:SELECT THE FEATURES FOR BOTH RADIUS AND DIRECTION AS DESCRIBE IN THE SPECTRAL APPROACH SESSION: FEATURES FOR ALL THE RADIUS AND DIRECTION**





**Table 1: Dice Similarity score1 for the whole image**



**Table 2: TABLE FOR FEATURES FOR BOTH THE RADIUS AND DIRECTION**