EEE 515: Machine Vision and Pattern Recognition

Assignment 1

RESULT 1: Humans can recognize familiar faces in very low-resolution images.

Kernel Size: 20X20.

Test Image	Image after Blur (Kernel Size: 20X20)	Result from Subjects
Advantages in SOREAN		S1: Can Recognize S2: Can Recognize
	1	S1:Can Recognize S2:Can Recognize
	8	S1:Can Recognize S2:Can Recognize
	9	S1:Can Recognize S2:Can Recognize
		S1:Can Recognize S2:Can Recognize
- ANNA		S1:Can Recognize S2:Can Recognize
MALEF WISSERSS		S1:Cannot Recognize S2:Cannot Recognize
		S1: Can Recognize S2: Can Recognize
, P		S1: Can Recognize S2: Can Recognize
	R	S1: Can Recognize S2: Can Recognize

RESULT 3: High-frequency information by itself is insufficient for good face recognition performance.

Test Image	High Frequency Image	Result from Subjects
Activated con-1688/PN	Edge Image	S1:Cannot Recognize S2: Cannot Recognize
	Edge Image	S1: Cannot Recognize S2: Cannot Recognize
	Edge Image	S1: Cannot Recognize S2: Cannot Recognize
	Edge Image	S1: Cannot Recognize S2: Cannot Recognize
	t dge image	S1: Cannot Recognize S2: Cannot Recognize
AWA	Loge image	S1: Cannot Recognize S2: Cannot Recognize
OF MEET MISTERS IN MIS	Edge Image	S1: Cannot Recognize S2: Cannot Recognize
	Edge Image	S1: Cannot Recognize S2: Cannot Recognize
	Edge Image	S1: Cannot Recognize S2: Cannot Recognize
	Edge Image	S1: Cannot Recognize S2: Cannot Recognize

Summarized Results from test subjects are in accordance with Result 1 and 3.