









**Table 1:** Precision and Recall for Pixel Difference Method

Name of the Video	Global Pixel Difference		Local Pixel Difference	
	Recall (%)	Precision (%)	Recall (%)	Precision (%)
Entertainment	92	100	98	100
Wildlife	100	86	100	100
Cut1	100	100	100	100
Football	88	88	100	86
Cut 2	100	100	100	100

From table 1, it is seen that local pixel difference method gives better results when compared to global difference methods when a shot transition occurs.

**Table 2:** Precision and Recall for GLCM Method

Name of the Video	Global GLCM difference		Local GLCM difference	
	Recall (%)	Precision (%)	Recall (%)	Precision (%)
Wildlife	67	80	67	80
Cut2	100	100	100	100
Cut 1	100	75	100	75
Football	100	75	88	100
Entertainment	87	97	95	100

From the above analysis results, it is seen that local GLCM difference method gives better results when compared to global GLCM difference methods when a shot transition occurs.

#### 4. Conclusion

A unique approach for detecting the hard cut transitions has been introduced in this paper. This methodology uses local and the global features to detect the hard cuts. This introduces an efficient and robust system for detecting video scene changes which is an essential task in fully content analysis systems. Experimental result shows that the shots are accurately detected. Future work involves the detection of various types of transitions such as fade, wipe and dissolve and detection of various types of activities.

#### References

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