

TABLE I
FCOMPARISON TABLE FOR KIRCHHOFF AND STOLT MIGRATION

Algorithm	Execution	Computation Time (Sec)	Average Computation Time (Sec)
Kirchhoff	Run 1	0.053603	0.050657
	Run 2	0.050829	
	Run 3	0.050013	
	Run 4	0.046931	
	Run 5	0.051909	
Stolts	Run 1	0.310727	0.2765148
	Run 2	0.255928	
	Run 3	0.280266	
	Run 4	0.270216	
	Run 5	0.265437	

V. CONCLUSION

Radar imaging of a See-Through Wall Radar and a Ground Penetrating Radar was done by using well-established Radar Imaging techniques like Backprojection & Backpropagation (Migration). A comparison of the performance of these algorithms is also presented. No performance optimization techniques were used in the implementation. The data collection was done using standard horn antennas. Better quality results can be obtained by using Impulse Radiating Antennas (IRA) and a more detailed study is required for comparing the computational performance of the above algorithms.

REFERENCES

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