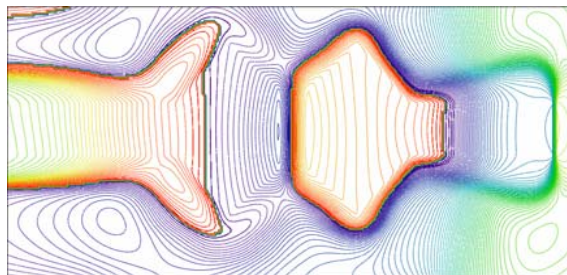
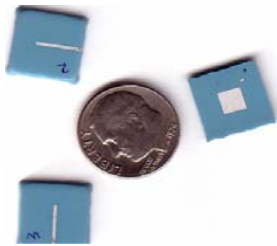
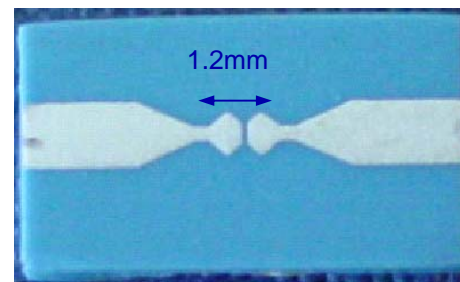


Khalid Rajab, Graduate Student Electrical Engineering

- Established waveguide characterization techniques
- Miniaturized antennas by introduction of metamaterials
- Periodic microwave structures



Phase Diagram with negative phase velocity



Backward-wave Transmission Line