Take-Home Homework 3

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Abstract—

APPENDIX B

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Appendix two text goes here.

ACKNOWLEDGMENT

The authors would like to thank...

REFERENCES

[1] H. Kopka and P. W. Daly, *A Guide to BT_EX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.

Introduction

THIS demo file is intended to serve as a "starter file" for IEEE journal papers produced under LATEX using IEEEtran.cls version 1.7 and later. I wish you the best of success.

- I. IMPEDANCE VARIATION VS FREQUENCY
- A. Radiation Resistance R_R
- B. Loss Resistances R_L
- C. Resonance
- II. VSWR vs Frequency
- III. RETURN LOSS VS FREQUENCY
 - IV. RADIATION PATTERN
- A. Gain
- B. Directivity
- C. 3dB beamwidth
 - V. ANTENNA POLARIZATION
 - VI. EFFECTS OF REAL GROUNDS
- A. Relative Permitivity and Conductivity in Colorado
 - 1) Effects on Gain:
 - 2) Effects on Efficiency:
 - 3) Effects on Impedance:
 - 4) Effects on Radiation Pattern:
 - VII. EFFECTS OF REAL ANTENNA MATERIALS

VIII. LOSS IN A REAL COAXIAL CABLE

IX. LOSS IN A REAL COAXIAL CABLE

X. ANTENNAS FOR PURCHASE

Α.

В.

C. Subsection Heading Here

Subsection text here.

1) Subsubsection Heading Here: Subsubsection text here.

XI. CONCLUSION

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APPENDIX A
PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.