

6.1.2. Rise Time of Plastic II Shocks	96
6.1.3. Metallurgical Data	97
6.2. Slow Decay of the Stress Behind the Plastic I Shock	101
6.3. Discussion	103
7. SUMMARY AND CONCLUSIONS	104
REFERENCES	108
APPENDIX	
A. THERMODYNAMICALLY CONSISTENT EQUATION OF STATE . . .	112
A.1. Equilibrium Surfaces	113
A.2. Approximations of Potential Functions . . .	118
B. STREAK CAMERA CALIBRATION	121
B.1. Writing Speed	121
B.2. Dynamic Spatial Resolution	124
C. ERROR ANALYSIS	125
C.1. General Treatment of Errors	125
C.2. Error in Free Surface Velocity Measurements	127
C.2.1. Sources of Various Errors	128
C.2.2. Errors in Determining the Trace Angle and the Wave Tilt Angle	130
D. PERMANENT REGIME WAVE SOLUTION	134
D.1. General Solution	134
D.2. Rate Equation	136