

LIST OF FIGURES

		Page
FIGURE	1. Postulated Wafer Profile for One- and Two-Dimensional Analysis	8
FIGURE	2. 2500-Ton Hydraulic Press	47
FIGURE	3. Component Parts of Confined Wafer Compression System	49
FIGURE	4. Assembly View of Wafer-Containing Ring	50
FIGURE	5. Complete Assembly of Confined Wafer Compression System	54
FIGURE	6. Applied Force-Displacement Relation for an Unconfined 303 Stainless Steel Wafer	57
FIGURE	7. Stress Distribution for 303 Stainless Steel. Case I-A	59
FIGURE	8. Stress Distribution for 303 Stainless Steel. Case I-B	60
FIGURE	9. Applied Force-Displacement Relation for an Unconfined 6061 Aluminum Wafer	62
FIGURE	10. Stress Distribution for 6061 Aluminum Case I-A	63
FIGURE	11. Applied Force-Displacement Relation for an Unconfined Armco Iron Wafer	65
FIGURE	12. Stress Distribution for Armco Iron Case I-A	66
FIGURE	13. Applied Force-Strain Relation for a Confined 303 Stainless Steel Wafer	67
FIGURE	14. Stress Distribution for 303 Stainless Steel. Case II-A. $R_c/R_o = 1.012$	69
FIGURE	15. Stress Distribution for 303 Stainless Steel. Case II-A. $R_c/R_o = 1.024$	70
FIGURE	16. Stress Distribution for 303 Stainless Steel. Case II-A. $D/H = 6.5$	71
FIGURE	17. Stress Distribution for 303 Stainless Steel. Case II-A. $D/H = 13$	72