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Exercises

CHAPTER 5. ELASTIC-PERFECT PLASTICITY 5.1 Introduction; 5.2 Elastic-Plastic Bending of Beams; 5.3 Elastic-Plastic Torsion; 5.4 Thick-Walled, Pressurised Cylinder with Closed-Ends; 5.5 Open-Ended Cylinder and Thin Disc Under Pressure; 5.6 Rotating Disc; References; Exercises; CHAPTER 6. SLIP LINE FIELDS; 6.1 Introduction; 6.2 Slip Line Field Theory; 6.3 Frictionless Extrusion Through Parallel Dies; 6.4 Frictionless Extrusion Through Inclined Dies; 6.5 Extrusion With Friction Through Parallel Dies; 6.6 Notched Bar in Tension; 6.7 Die Indentation; 6.8 Rough Die Indentation 6.9 Lubricated Die Indentation References; Exercises; CHAPTER 7. LIMIT ANALYSIS; 7.1 Introduction; 7.2 Collapse of Beams; 7.3 Collapse of Structures; 7.4 Die Indentation; 7.5 Extrusion; 7.6 Strip Rolling; 7.7 Transverse Loading of Circular Plates; 7.8 Concluding Remarks; References; Exercises; CHAPTER 8. CRYSTAL PLASTICITY; 8.1 Introduction; 8.2 Resolved Shear Stress and Strain; 8.3 Lattice Slip Systems; 8.4 Hardening; 8.5 Yield Surface; 8.6 Flow Rule; 8.7 Micro- to Macro-Plasticity; 8.8 Subsequent Yield Surface; 8.9 Summary; References; Exercises; CHAPTER 9. THE FLOW CURVE; 9.1 Introduction 9.2 Equivalence in Plasticity 9.3 Uniaxial Tests; 9.4 Torsion Tests; 9.5 Uniaxial and Torsional Equivalence; 9.6 Modified Compression Tests; 9.7 Bulge Test; 9.8 Equations to the Flow Curve; 9.9 Strain and Work Hardening Hypotheses; 9.10 Concluding Remarks; References; Exercises; CHAPTER 10. PLASTICITY WITH HARDENING; 10.1 Introduction; 10.2 Conditions Associated with the Yield Surface; 10.3 Isotropic Hardening; 10.4 Validation of Levy Mises and Drucker Flow Rules; 10.5 Non-Associated Flow Rules; 10.6 Prandtl-Reuss Flow Theory; 10.7 Kinematic Hardening; 10.8 Concluding Remarks; References Exercises

Sommario/riassunto

Plasticity is concerned with understanding the behavior of metals and alloys when loaded beyond the elastic limit, whether as a result of being shaped or as they are employed for load bearing structures. Basic Engineering Plasticity delivers a comprehensive and accessible introduction to the theories of plasticity. It draws upon numerical techniques and theoretical developments to support detailed examples of the application of plasticity theory. This blend of topics and supporting textbook features ensure that this introduction to the science of plasticity will be valuable for a wide

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Nota di contenuto	Front matter -- Contents -- Introduction. What We Talk about When We Talk about Latinx Literature -- Chapter 1. Brown Like Me? The Author-Function, Proper Names, and the Rise of Fictional Nobodies -- Chapter 2. Confounding the Mimetic: The Metafictional Challenge to Representation -- Chapter 3. From Where I Stand: The Intimacy and Distance of We and You in the Short Story -- Chapter 4. The Lyric, or, a Radical Singularity in Latinx Verse -- Conclusion: Thinking beyond Limits -- Acknowledgments -- Notes -- works cited -- Index
Sommario/riassunto	Since the 1990's, there has been unparalleled growth in the literary output from an ever more diverse group of Latinx writers. Extant criticism, however, has yet to catch up with the diversity of writers we label Latinx and the range of themes about which they write. Little sustained scholarly attention has been paid, moreover, to the very category under which we group this literature. Latinx Literature

Unbound, thus, begins with a fundamental question “What does it mean to label a work of literature or an entire corpus of literature Latinx?” From this question others emerge: What does Latinx allow or predispose us to see, and what does it preclude us from seeing? If the grouping—which brings together a heterogeneous collection of people under a seemingly homogeneous label—tells us something meaningful, is there a poetics we can develop that would facilitate our analysis of this literature? In answering these questions, *Latinx Literature Unbound* frees Latinx literature from taken-for-granted critical assumptions about identity and theme. It argues that there may be more salubrious taxonomies than Latinx for organizing and analyzing this literature. Privileging the act of reading as a temporal, meaning-making event, Ralph E. Rodriguez argues that genre may be a more durable category for analyzing this literature and suggests new ways we might proceed with future studies of the writing we have come to identify as Latinx.
