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Autore	O Searcaigh Cathal
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Bean An tSleibhe / MountainWomanFiacha An tSolais / The E. S. B. Bill; Caoradoir / Shepherd; Bo Bhradach / A Braddy Cow; Cre / Creed; Briathra agus Braithre /Words of a Brother; Scrudu Coinsiasa Roimh dhul chun Suain /Examination of Conscience Before Going to Bed; Agallamh na Seanorach / The Colloquy of the Ancients; Uchtach / The Red Badge of Courage; Ceann Dubh Dilis / My Blackhaired Love; Ta me ag Siorshuil Sleibhe /Wandering the Mountainside; Ta mo Cheadsearc i Londain / To my Heart's Desire in London; D'ainm / Your Name; Soinead / Sonnet; Taobh Thiar / Beyond; Aoibh / Beauty
Didean / ShelterSearmanas / Ceremony; Fios / Knowledge; Crainn /Trees; Soilse / Lights; Duil / Lust; Laoi Cumainn / Hound of Ulster; Cumha na gCarad / Lament for Friendship; Notturno / Notturno; Muirbhe / Sea Woman; Suile Shuibhne / Sweeney's Eyes; Soinead / Sonnet; Transubstaintiu / Transubstantiation; An Fuascailteoir / The Liberator; Do Jack Kerouac / For Jack Kerouac; An Croi ba Shu Talun / Strawberry Heart; Dia: Notai Anailisi / God: Analyst's Notes; Na Piopai Creafoige / The Clay Pipes; Mise Charlie an Scibhi / I am Charlie the Skivvy; Is Glas na Cnoic / Far off hills
Caoineadh / LamentNotai / Notes

Sommario/riassunto

(An Irish-language title) A strong confident Northern voice. The Irish language is used here with classical precision and assurance. He evokes the mystique of his Donegal landscape with passion and gusto . . . This is the voice of a sophisticated contemporary craftsman. - Maire Mhac an tSaoi??Face to face Irish originals and English translations by a Donegal Gaeltacht poet rooted in traditions but startling in his modernity. Gortahork's Cathal O Searcaigh is a poet of international renown, particularly since the publication of his bilingual collections. Selections of his work have already b

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5 Parallel Shear Flow: the Effects of Viscosity -- 5.1 Conditions for Equilibrium -- 5.2 Conditions for Quasi-Equilibrium: the Frozen Flow Approximation -- 5.3 The Orr-Sommerfeld Equation -- 5.4 Boundary Conditions for Viscous Fluid -- 5.5 Numerical Solution of the Orr-Sommerfeld Equation -- 5.6 Oblique Modes -- 5.7 Shear Scaling and the Reynolds Number -- 5.8 Numerical Examples -- 5.9 Perturbation Energetics in Viscous Flow -- 5.10 Summary -- 6 Synthesis: Viscous, Diffusive, Inhomogeneous, Parallel Shear Flow -- 6.1 Expanding the Basic Equations -- 6.2 Numerical Solution -- 6.3 2D and Oblique Modes: Squire Transformations -- 6.4 Shear and Diffusion Scalings -- 6.5 Application: Instabilities of a Stably Stratified Shear Layer -- 6.6 Application: Analysis of Observational Data -- 6.7 Summary -- 6.8 Further Reading -- 7 Nonparallel Flow: Instabilities of a Cylindrical Vortex -- 7.1 Cyclostrophic Equilibrium -- 7.2 The Perturbation Equations -- 7.3 Barotropic Modes (m = 0) -- 7.4 Axisymmetric Modes (l = 0) -- 7.5 Analytical Example: the Rankine Vortex -- 7.6 Numerical Example: a Continuous Vortex -- 7.7 Wave Interactions in Barotropic Vortices -- 7.8 Mechanisms of Centrifugal and Convective Instabilities -- 7.9 Swirling Flows -- 7.10 Summary -- 7.11 Further Reading -- 8 Instability in a Rotating Environment -- 8.1 Frontal Zones -- 8.2 Geostrophic Equilibrium and the Thermal Wind Balance -- 8.3 The Perturbation Equations -- 8.4 Energetics -- 8.5 The Vertical Vorticity Equation -- 8.6 Analytical Solution #1: Inertial and Symmetric Instabilities -- 8.7 Analytical Solution #2: Baroclinic Instability -- 8.8 Numerical Solution Method -- 8.9 Instability in the Ageostrophic Regime -- 8.10 Summary -- 8.11 Further Reading -- 9 Convective Instability in Complex Fluids -- 9.1 Conditional Instability in a Moist Atmosphere or a Freezing Ocean.
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Sommario/riassunto

Instabilities are present in all natural fluids from rivers to atmospheres. This book considers the physical processes that generate instability. Part I describes the normal mode instabilities most important in geophysical applications, including convection, shear instability and baroclinic instability. Classical analytical approaches are covered, while

		also emphasising numerical methods, mechanisms such as internal wave resonance, and simple `rules of thumb' that permit assessment of instability quickly and intuitively. Part II introduces the cutting edge: nonmodal instabilities, the relationship between instability and turbulence, self-organised criticality, and advanced numerical techniques. Featuring numerous exercises and projects, the book is ideal for advanced students and researchers wishing to understand flow instability and apply it to their own research. It can be used to teach courses in oceanography, atmospheric science, coastal engineering, applied mathematics and environmental science. Exercise solutions and MATLAB® examples are provided online. Also available as Open Access on Cambridge Core.

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