

the jet-wave theory of the periodic jet-wave - the jet-wave. chapter i the jet-wave of small amplitude. 1 . the jet-wave. if the nozzle n of a liquid jet is moved to and fro perpendicularly to the axis of the nozzle, the jet assumes **the onset of meandering in a barotropic jet** - the onset of meandering in a barotropic jet 87 this article is organized as follows. in x2 we formulate the governing equations of the problem. in x3, we provide a detailed discussion of the linear stability problem. **collective interaction of a compressible periodic parallel ...** - wave growth, $v_{si} = 0.5\text{levi}$ over a range of mach numbers and flow geometries for compressible periodic parallel jet flow when the flow is correlated between the jets. **physics of ink-jet printing - university of ljubljana** - fig. 4. dimensionless breakup length $l_0=d$ (d is the jet diameter) as a function of weber number $we = \tilde{A}\hat{A}\dagger u2d=\tilde{A}\hat{A}^{\text{TM}}$. the measurements correlate really well (except one set) with the theory, which predicts dimensionless breakup length to be a linear **jet, wave and droplet velocities for a continuous fluid jet** - jet, wave, and droplet velocities for a continuous fluid jet randy fagerquist scitex digital printing, inc., dayton, ohio abstract this paper presents data showing the relationship of the jet **statistical state dynamics of jet** $\tilde{A}\hat{A}\hat{A}$ “**wave coexistence in ...** - statistical state dynamics of jet $\tilde{A}\hat{A}\hat{A}$ “**wave coexistence in barotropic beta-plane turbulence** navid c. constantinoua cyprus oceanography center, university of cyprus, lefkosia, cyprus **orderly structure in jet turbulence - cambridge** - we imposed a periodic surging of controllable frequency and amplitude at the jet exit, and studied the response downstream by hot-wire anemometry and schlieren photography. **perturbation growth in baroclinic waves** - floquet theory is applied to the stability of time-periodic, nonparallel shear flows consisting of a baro- clinic jet plus a neutral wave. this configuration is chosen as an idealized representation of baroclinic waves **a stochastic structural stability theory model of the ...** - of random wave theory, but the predator-prey model is not itself a solution of the equations and so cannot by itself be accepted as a comprehensive theory. the modulational insta-bility is invoked to account for the initial jet formation and this theory captures the essence of the turbulence/jet interac-tion but does not address equilibration and therefore cannot be considered a comprehensive ... **theory of linear gravity waves april 1987 - ecmwf** - theory of linear gravity waves 6 meteorological training course lecture series ecmwf, 2004 (14) (15) where is the amplitude of the displacement of an isentropic surface, the wave phase, , and **the physics of quantum mechanics** - rather than probabilities that makes quantum mechanics the extraordinary thing that it is, and to grasp that the theory $\tilde{A}\hat{A}\hat{A}$ ™s mathematical structure follows almost inevitably from the concept of a probability amplitude. **a phase-space study of jet formation in planetary-scale fluids** - a phase-space study of jet formation in planetary-scale $\tilde{A}\hat{A}\hat{A}$, uids r. d. wordswortha laboratoire de m $\tilde{A}\hat{A}\hat{A}$ ©t $\tilde{A}\hat{A}\hat{A}$ ©rologie dynamique, institut pierre simon laplace, paris 75252, france **directional acoustic radiation from a supersonic jet ...** - a supersonic jet is proposed. the theory is based on the concept of instability of the theory is based on the concept of instability of the shear layer at the boundary of the jet close to the nozzle. **quasi-periodic variations of the polar vortex in the ...** - as that of the traveling wave 2. the polar night jet also vacillates with the same frequency such that it has its minimum when the stationary wave 1 and the transient wave 1 are in phase at the polar side of the node. the vacillation is basically due to quasi-periodic variations of the wave driven by the interference between the stationary and traveling wave 1s. similar periodic variations of ...

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