

MORSE CRITICAL POINTS  
OF THE DISPERSION EQUATIONS  
AND EVOLUTION EQUATIONS OF A QUASI  
HOMOGENEOUS STRUCTURE

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For a laterally inhomogeneous dielectric layer, the dispersion equations and laws of the irregular dynamics of spectra near the Morse critical point (MCP) are reported. This knowledge permits the square-law representation and furnishes the local equations of time-space evolution of wave-oscillation fields.