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- Lambda capillary pressure @model
  - Laminar fluid flow
  - Laminar Inertial Turbulent IPR @ model
  - Land allocation
  - Landscape Exploration Survey
  - Lateral Logging (LL)
  - Late Time Response = LTR
  - lb/ft<sup>3</sup> (density)
  - Leak
  - Leak Detection = LD
  - Lederer-Roegiers viscosity blending equation
  - Ledger (Finance)
  - Lee-Gonzalez-Eakin (1966) gas viscosity correlation @model = LGE
  - Legal Entity
  - Length (physical property)
  - Leverett J-function capillary pressure @model
  - LFM – Lithofacies Modelling
  - Ig
  - Liability (Finance)
  - Lift Curves @model
  - Lift mechanism
  - Lift optimisation
  - Lighthill equation
  - Light Oil (fluid composition)
  - Limestone
  - Limited entry well
  - Limited entry well pressure diffusion @model
  - Linear Composite Model
  - Linear-flow pressure diffusion
  - Linear Flow Pressure Diffusion @model
  - Linear Fluid Dynamics
  - Linear Fluid Flow
  - Linear newtonian single-phase pressure diffusion @model
  - Linear PDE @math
  - Linear Perrine multi-phase diffusion @model
  - Linear Perrine multi-phase diffusion @model derivation
  - Liner (LNR)
  - Liquid (state of matter)
  - Liquid Control
  - Liquid Control (Reservoir Flow Modelling)
  - Liquid production rate = qL
  - Liquid Quality Line
  - Liquid specific gravity = yL
  - Liquid Surface Productivity Index
  - Liquid viscosity @model
  - Litho-Density Tool
  - Lithofacial Index (LFI)
  - Lithofacies log @model
  - Lithological facies (lithofacies)
  - Lithosphere
  - Lithostatic Pressure
  - LIT IPR @ model
  - Live oil (chemical substance)
  - ln
  - Loan (Finance)

- Loan Body
- Loan-in (Finance)
- Loan-out (Finance)
- Local Calendar Time = LCT
- Local Grid Refinement (LGR) @model
- Log (well logging)
- Logarithmic Derivative @model
- Logarithmic Derivative =  $p'$
- Log Derivative =  $p'$
- Logging Pass
- Logging Reference Elevation
- Logging Reference Point
- Logic
- Long Fracture
- Long-Term Asset (Finance)
- Long-Term Intangible Asset (Finance)
- LSPD (Line Speed)
- PADE IPR @ model
- Pound = lbm
- Pressure Line Source Solution (LSS) @model
- Short Fracture
- Supercritical Fluid = SCF (state of matter)