

Handwritten notes on a grid background, featuring various mathematical equations, chemical structures, and diagrams.

Equations:

- $$\frac{\partial u_i}{\partial t} + u_j \left(\frac{\partial u_i}{\partial x_j} - \frac{\partial u_j}{\partial x_i} \right) = \frac{\partial p^*}{\partial x_i} - \frac{\partial \tau_{ij}}{\partial x_j} + f(u_i - v_j) \delta_{ij} - \frac{\rho}{\rho_0} (u_i - v_j) \frac{\partial \rho}{\partial x_i} - g_j \delta_{ij}$$
- $$\Delta G_{\text{ind,eq}} = \Delta G_{\text{H}_2\text{O}-\text{H}_2\text{O,eq}} - [\Delta G_{\text{H}_2\text{O,eq}} + \Delta G_{\text{H}_2\text{O,eq}}]$$
- $$F(x) = -\nabla U(x) = MV(t)$$
- $$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{q}_i} \right) - \frac{\partial L}{\partial q_i} = 0$$

Chemical Structures:

- Diagrams showing chemical reactions and structures, including a cyclohexane ring and a complex molecule with multiple functional groups.

Diagrams:

- A diagram showing a network of nodes and edges, possibly representing a graph or a molecular structure.

Text:

- Handwritten text in various colors (blue, green, red) providing context or labels for the equations and diagrams.