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May 19, 2024

Private Pilot Research - Weather Theory (Fronts)

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Fronts are boundaries of air masses that, when moving across a body of water and land, eventually come into contact with another air mass with different characteristics. When flying through a cold front, from distinct air mass to another, changes in temperature and wind direction occur. The four types of fronts are the following:

- Warm: warm air overcoming cold air during contact
- Cold: cold air overcoming warm air during contact
- Stationary: warm and cold air meeting but not overcoming each other
- Occluded: mixture of warm and cold air