

atmosphere

A hand-drawn diagram showing energy fluxes between the atmosphere and ice. A horizontal grey line separates the 'atmosphere' region above from the 'ice' region below. Above the line, a cloud is drawn. To the left, a wavy arrow labeled F_{sw} points down towards the line. To its right, another wavy arrow labeled αF_{sw} points up away from the line. Further right, a wavy arrow labeled $F_{LW,ii}$ points down towards the line. To its right, a wavy arrow labeled $F_{LW,io}$ points up away from the line. On the far right, a small globe is shown with a wavy arrow labeled F_s pointing down towards it, and another wavy arrow labeled F_L pointing up away from it. An arrow points from the globe towards the F_L arrow.

$$F_{sw} \quad \alpha F_{sw} \quad F_{LW,ii} \quad F_{LW,io} \quad F_s \quad F_L$$

ice

$$(1-\alpha)F_{sw}$$