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On the heat balance of the Earth-atmosphere system

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Since the heat balance of the Earth-atmosphere system is an important subject in the course of the meteorology, the heat balances are illustrated in almost all geo-science textbooks. Although a lot of hints to think about the global warming of Earth are included in those figures, textbooks usually refer to individual heat transportations, but not discuss the relationships between them. Adding a simple modification on the original model, it becomes possible to discuss the conceptual mechanism of the global warming: e.g., the influences of a greenhouse gas increase on the average temperature at ground level.