

ABSTRACT

The present disclosure provides a computer program, an information processing apparatus, and an information processing method capable of determining an offset value with respect to a set temperature of a coolant in consideration of a thermal resistance peculiar to an apparatus and a heat flux different for each step of a process recipe. The disclosure is implemented by causing a computer to execute processing for a substrate processing apparatus including a substrate stage and a cooling base configured to cool the substrate stage with a coolant supplied from a cooling device, which includes: acquiring temperature data indicating a temperature of a substrate placed on the substrate stage and temperature data indicating a temperature of the coolant; calculating, based on the acquired temperature data indicating the temperature of the substrate and the acquired temperature data indicating the temperature of the coolant, a thermal resistance of a heat conduction site on a heat transfer path from the substrate to the coolant; calculating a heat flux to the substrate for each of steps of a process recipe defining a substrate processing to be performed on the substrate; and calculating, based on the calculated thermal resistance and the calculated heat flux, an offset value to be added to a set temperature of the coolant for each of the steps.

Fig. 4