Simulation on Optimal Posture of the Earth

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This is purely for a presumptive and imaginative study. On earth, we still have a lot of land on earth which has never been lived by people, Antarctica, Arctic, vast areas in Canada, Russia and Greenland — it is just too cold for human to lead a colorful life there. Maybe we can rotate the earth (as a whole) by some angle, and give her a new posture so that more livable and comfortable land is exposed to the tropical and subtropical sunshine, and more ocean area is set to the two frigid poles.

In our simulation, the surface of the earth is divided into evenly distributed $360 \times 91 = 32790$ patches. In turn, each patch is used as the South Pole, and the opposite patch on the earth as the North Pole. By calculation, we found that a place with the latitude 5° S and the longitude 70° E (1500 kilometers to the south of Maldives) is best for the South Pole, and the place just on the opposite of the globe (3000 kilometers to the southwest of Mexico) could be used as the North Pole. In this optimal posture of the earth, the Atlantic Ocean and the Antarctica are on the Equator, and all other continents are on the subtropical (see Fig. 1).

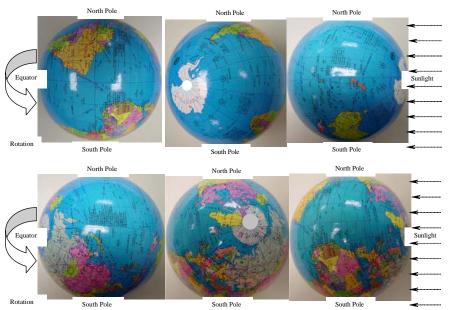


Fig. 1. The photos are taken along the new Equator. The Atlantic Ocean and the Antarctica are on the Equator, and all other continents are on the new subtropical areas.