# **Calculate Accurate Arrival Flight Time Schedule**

I believe nowadays everyone has the opportunity to travel around the world. One even me cares only about the departure time, seldom notice the arrival time. I live in the Asia east country and if you want to travel to the west continent for a business trip, a flight duration for more than 10 hours, then calculating the destination arrival time matters.

I will take a business trip from Hong Kong (Hong Kong International Airport) to London (Heathrow Airport) as an example.

By using any flight booking website, the flight duration from Hong Kong to London is approximately 14 hours and 5 minutes. So, for example, I will calculate the London arrival time from Hong Kong to London when booking a flight on 27th May 2024, departure time 13:00 PM (24Hrs). Detailed calculation will describe below:

* Hong Kong Departure Time 27th May 2024 13:00PM
* Flight duration From Hong Kong to London 14 Hours and 5 Minutes
* Therefore, if the flight arrives at London,
  + The time at Hong Kong will be, hours 13:00PM + 14 Hours, which will be 03:00AM on the next day 28th May 2024.
  + For the remaining minutes will be, 03:00AM + 5 Minutes, which will be 03:05AM
  + The exact time in Hong Kong when the flight arrives at London is:
    - 28th of May 2024 03:05AM
* Because we are calculation the Hong Kong time, in order to calculate the London local time, we need to know what is UTC time scheme.
* UTC (Coordinate Universal Time) is the primary time standard globally used to regulate clocks and time. It establishes a reference for the current time, forming the basis for civil time and time zones. UTC facilities international communication, navigation, scientific research, and commerce. Unlike local time zones, UTC remains constant and does not change for Daylight Saving Time (DST).
  + Then the UTC time for London is:
    - **UTC±00:00 (Z)**: Coordinated Universal Time (UTC), United Kingdom

(Greenwich Mean Time), Ghana

* + Then the UTC time for Hong Kong is:
    - **UTC+08:00 (H)**: China Standard Time (e.g., Beijing, Hong Kong), Singapore
* Which means Hong Kong is 8 Hours ahead London time.
  + As calculate above if the arrival time in Hong Kong is 03:05AM, then by subtracting 8 Hours, the time will be 19:05PM
* Therefore, the London local arrival time will be:
  + 27th of May 2024 19:05PM