

(2) The total track of all vehicles on Earth lengthens how rapidly?

Motor fuel consumption in the U.S. is 2.5×10^9 barrels per year, or 10^{11} gallons. At 15 miles/gallon that is 2.5×10^{12} km traveled. Assuming the total world vehicular traffic is something like four times that, the grand total is 10^{13} km, or 1 light-year. Thus an answer correct in order of magnitude is: It lengthens with the speed of light! Incidentally, the total distance walked by the four billion people on Earth is not much less in order of magnitude. It is 1 light-year per year if the average for an individual is 6 km/day.