

World Economics and growth of garbage

In the modern world there is an obvious problem in growth of garbage, especially, in big cities. This research explains the reasons.

Theorem.

World economics growth results in exponential growth of garbage.

Proof.

World economics is based on manufacture of devices (cars, phones and etc).

Any device is a logical unit with the corresponding input and output and the finite set of rules programmed inside to transform input to output.

By Gödel Theorem for any finite set of rules there exists a sentence built utilizing the same logic on which the rules are based that can not be proved or disproved using those rules.

Applying this Theorem to device and device rules we see that for any device there exists a situation that can not be handled by the device, ie. input converted to output.

We can call such situation a human factor.

This eventually leads to a hazardous situation (error) or in other words to the device been broken or been useless.

Since almost any device is connected to the number of other devices (also because of mass production), such error propagates to them.

Hence we get an exponential growth of broken devices (devices with errors).

Therefore one gets an exponential growth of garbage.

QED