

Basic dosage calculation

$$\frac{D \text{ (desired dose)}}{H \text{ (amount on hand)}} \times V \text{ (volume)} = \text{Dose}$$

I.V. drips in mcg/minute

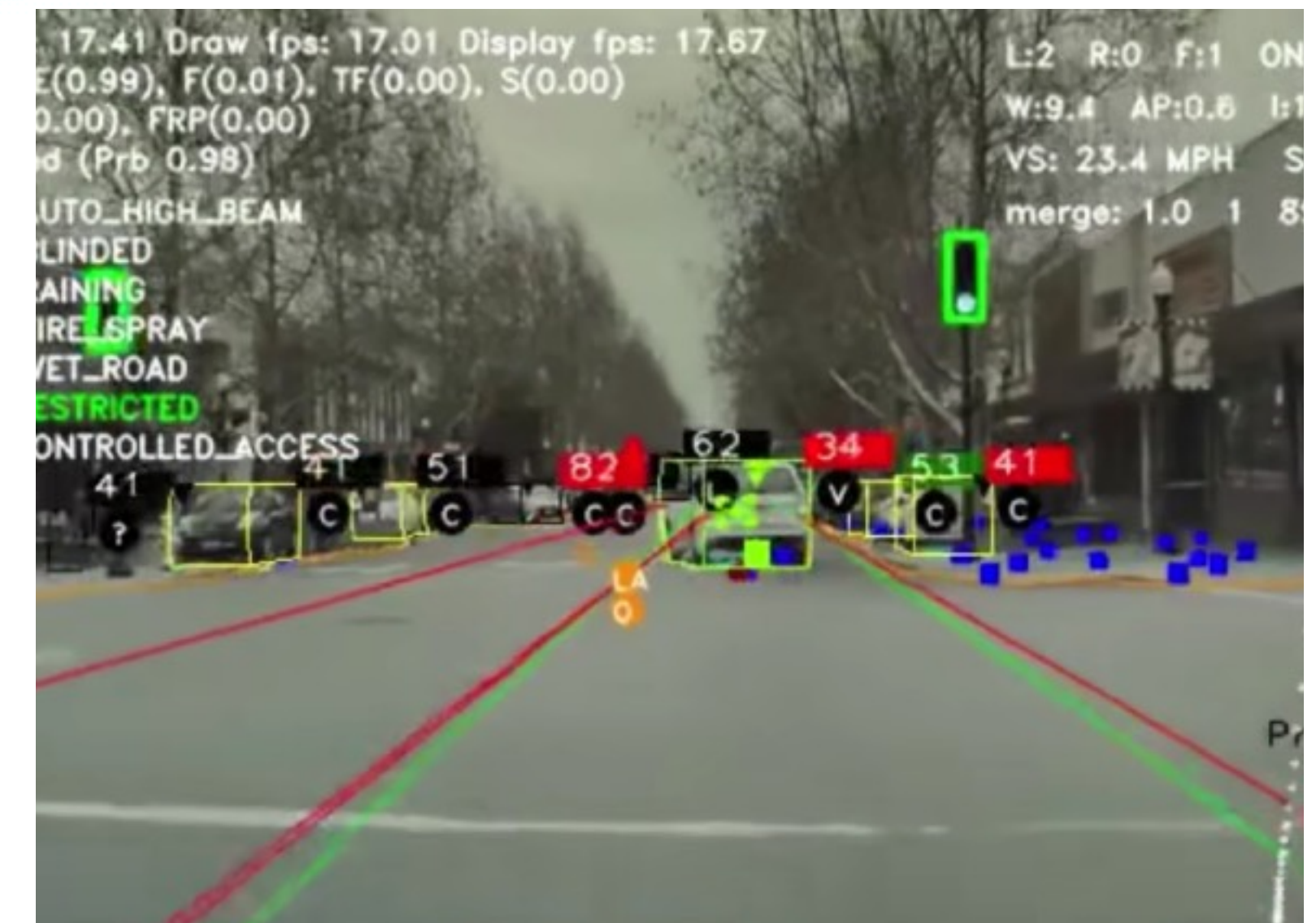
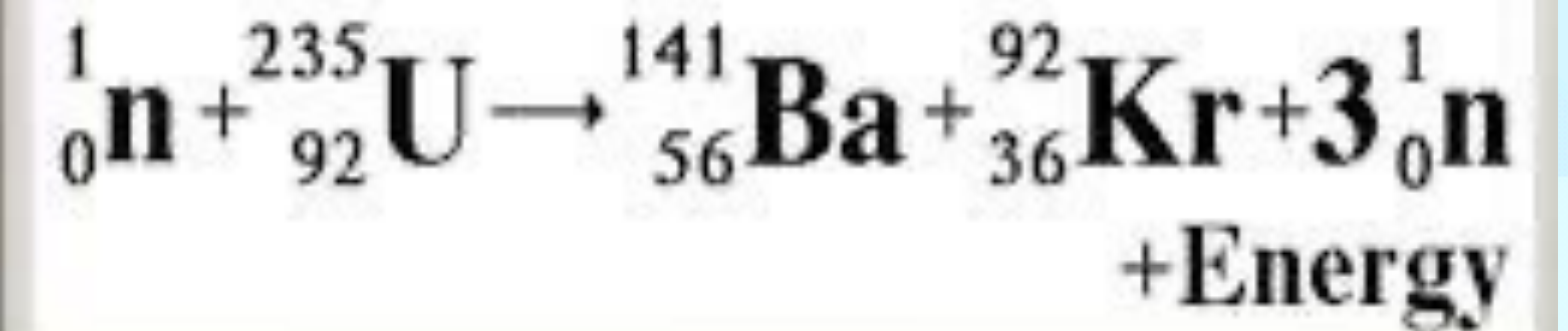
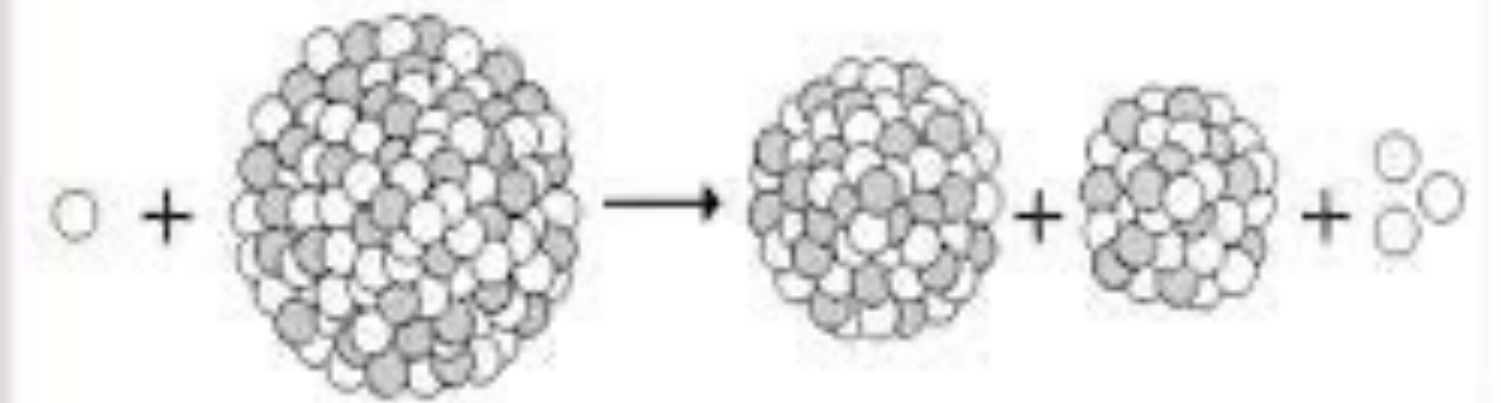
$$\frac{\text{mg}}{\text{mL}} \times \frac{1,000 \text{ mcg}}{1 \text{ mL}} \times \frac{\text{mL}}{1 \text{ hour}} \times \frac{1 \text{ hour}}{60 \text{ minute}} = \text{mcg/minute}$$

(÷ by kg to get mcg/kg/minute)

I.V. drips in units/hour

$$\frac{D \text{ (desired)}}{H \text{ (on hand)}} \times V \text{ (volume)} = \text{units/hour} \text{ (\# mL} \times \text{units/mL} = \text{dose)}$$

Nuclear Fission



Platonism

Mathematical Objects

- **Existence.**
There are mathematical objects.
- **Abstractness.**
Mathematical objects are abstract.
- **Independence.**
Mathematical objects are ontologically independent of intelligent agents and their language, thought, and practices.