

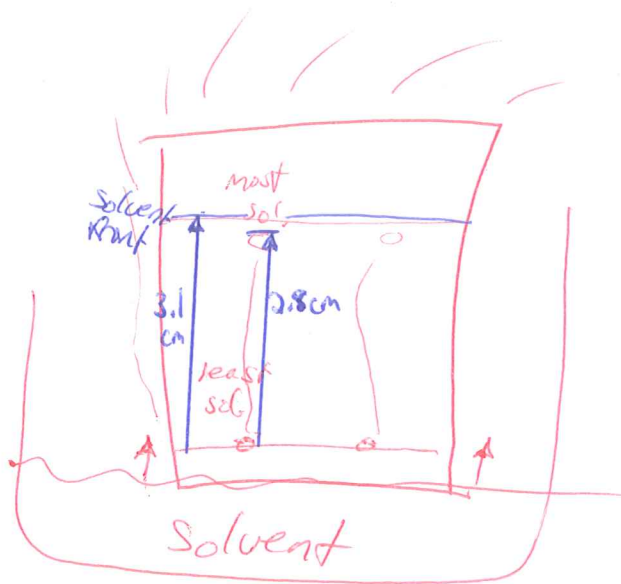
$$R_f \text{ value} = \frac{\text{Distance traveled by pigment (cm)}}{\text{Distance traveled by solvent (cm)}}$$

(Rate of Flow)

R_f value = analytical calculation of a pigment to determine how soluble/insoluble a pigment is in a solution. \neq size of molecules

- can also be used as a comparison to determine if 2 pigments are the same or not.

- large R_f values = higher solubility in solvent
- small R_f values = lower solubility in solvent



(ex) $\frac{2.8 \text{ cm}}{3.1 \text{ cm}} = 0.90 = R_f$