

# Project 5

①

- How many methods? 2!
- How many INDEPENDENT parameters?
- Parameter study:

\* choose  $P_1, P_2, P_3, \dots$  as in the textbook  
independent parameters

\* Keep  $P_2, P_3, \dots$  fixed and vary  $P_1$   $\left\{ \begin{array}{l} \bullet 10 \text{ times smaller} \\ \vdots \\ \bullet 10 \text{ times larger} \end{array} \right.$

→ effect of varying  $P_1$

\* Keep  $P_1, P_3, \dots$  fixed and vary  $P_2$   $\left\{ \begin{array}{l} \bullet 10 \text{ times smaller} \\ \vdots \\ \bullet 10 \text{ times larger} \end{array} \right.$

→ effect of varying  $P_2$

\* Keep  $P_1, P_2, \dots$  fixed and vary  $P_3$   $\left\{ \begin{array}{l} \bullet 10 \text{ times smaller} \\ \vdots \\ \bullet 20 \text{ times larger} \end{array} \right.$

→ effect of varying  $P_3$

⋮



Which method and values of  $P_1, P_2, P_3, \dots$  are best for the forestgray image?

● DELICATE points :

②

\* The CPU time gets very large when the size of the window is large!

→ Any smart solution? Yes!!

\* Is it "snowing" in the forest?

→ If so, why??