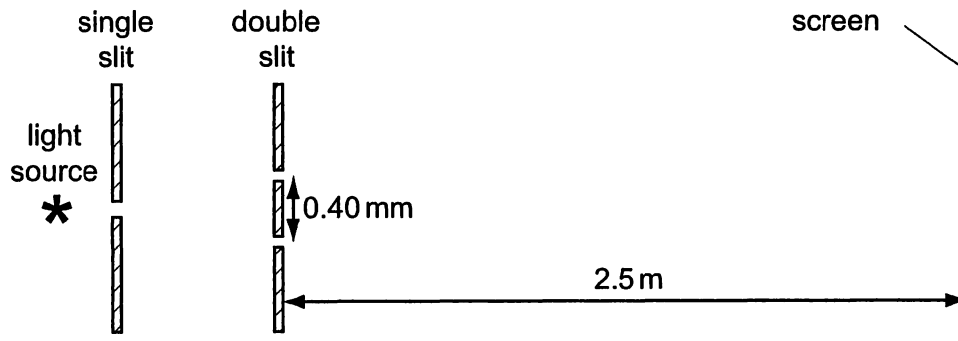
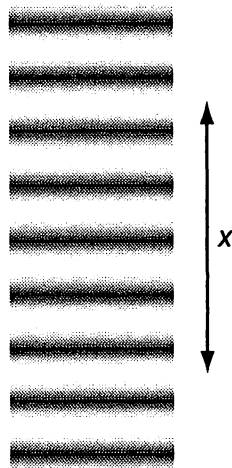


**18** A two-source interference experiment is set up as shown.



The source emits light of wavelength  $600\text{ nm}$ . The interference pattern on the screen is shown below.



What is the distance  $x$ ?

- A**  $3.8 \times 10^{-4}\text{ m}$     **B**  $1.9 \times 10^{-3}\text{ m}$     **C**  $3.8 \times 10^{-3}\text{ m}$     **D**  $1.9 \times 10^{-2}\text{ m}$