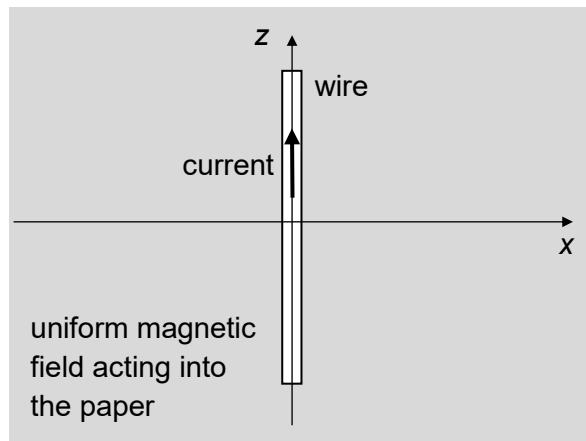


- 24** A wire carrying a current flowing in the positive z-direction is placed within a uniform magnetic field as shown. The magnetic field acts along the y-axis into the plane of the paper.



Which of the following independent changes leaves the magnitude of the magnetic force on the wire unchanged?

- A** Increase the current
- B** Increase the flux density
- C** Rotate the wire about the x-axis
- D** Rotate the wire about the y-axis