

65. The owner of an automobile insures it against damage by purchasing an insurance policy with a deductible of 250 . In the event that the automobile is damaged, repair costs can be modeled by a uniform random variable on the interval $(0, 1500)$.

Determine the standard deviation of the insurance payment in the event that the automobile is damaged.

- (A) 361
- (B) 403
- (C) 433
- (D) 464
- (E) 521