

**Answer on question #57731, Physics / Mechanics — Relativity**

**Question** due to continental drift the north American and European continent are drifting apart at an average speed of about 3 cm per year at this be how long in years will it take for them to drift apart by another 1450 m?

**Solution** This time is

$$t = \frac{S}{v} = \frac{1450}{0.03} = 48333.3 \text{ yr}$$