Solution 21.22

Trapezoidal/Simpsons rules

$$I = (2 - 0.5) \frac{336 + 294.4}{2} + (4 - 2) \frac{294.4 + 4(266.4) + 260.8}{6}$$
$$+ (10 - 4) \frac{260.8 + 3(260.5 + 249.6) + 193.6}{8} + (11 - 10) \frac{193.6 + 165.6}{2} = 2681.192$$

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