Fachbereich Mathematik
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TECHNISCHE
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1. Home work Analysis II for MCS
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(H1.1) Use Taylor's Theorem to estimate e with error less than 10^{-3}. Consider it known that $e < 3$.

(H1.2) Use Taylor's Theorem to find the limit

$$\lim_{x \to 0} \frac{\cos x - 1 + x^2/2}{x^4}.$$