task_uzbbnoz8abe6201d_with_calculation

Student Group

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Exercise E16 Impedances at Frequencies
(written test, approx. 14 % of a 60-minute written test, SS2023)

[illegible] ~\rm V$ the [illegible]
Result [illegible] = 5.6 ~\rm nF$.
1. An inductor with $X_{L1} = 60 ~\rm m\Omega$ and $L_1 = 15.9 ~\rm \mu H$.

Solution
Solution

\begin{align*} f_ [illegible] ~{\rm Hz} \end{align*}
kHz}\end{align*}

\begin{align*} X_{ [illegible]
[illegible]
[illegible]
[illegible]
[illegible] {{Vs}\over{A}}}} \\ \end{align*}