

- (e) (i) Calculate the mean value of the intercept along with its **percentage** uncertainty. State in words what this value represents. [3]

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- (ii) Using your calculations in parts (d)(ii) and (e)(i), calculate the temperature coefficient of resistance, α , of copper. Include an appropriate unit for α . [4]

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- (iii) State a value for the temperature coefficient of resistance, α , of copper to a suitable number of significant figures along with its **absolute** uncertainty. [3]

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END OF PAPER