

# A Survey of Accelerator Alignment Concepts for Professional Development

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Research laboratory engineering departments encourage employees to pursue professional development in their field. Within the accelerator alignment community, limited introductory resources address the unique considerations of this specialized discipline. This paper aims to cover important alignment concepts in an engaging and exploratory manner utilizing a multiple-choice quiz format to help newer alignment engineers review key professional concepts. The desired outcome is for group leaders to use the concepts presented here to aid in the professional development of newer members. The included answer key and brief explanations after each question are designed to inspire further learning and research of the topics. Topics covered include network survey planning, geometric impacts on measurement accuracy, fiducialization techniques, and alignment smoothing.

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