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Stability in high-energy linear accelerator

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We present a series of analytic expression to the beam dynamics in a long accelerator. The analytic expression can be used to model the linac optics, calculate the magnitude of the wakefields, estimate the emittance dilution due to misaligned accelerator component, and estimate the stability and jitter limitations. we present the probability distribution for the emittance dilutions and describe some of the more advanced correction techniques.

[참고문헌]

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