

Control-Matrix Approach to NCSX Design

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The control matrix (CM) approach yields a description of the combinations of knobs Z_j which can be adjusted to provide independent control of physics figures of merit P_i (*e.g.*, ripple levels or kink growth rates), as well as those combinations which affect none of these P_i . This can be used both in finding superior design points, as well as in using a configuration's control knobs to have good operational flexibility about those design points.

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