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## **Robust design of modern Chasman-Green lattices – a geometric control theory approach**

*Wednesday, 10 May 2023 16:30 (2 hours)*

### Abstract

A geometric control theory method is outlined & presented to improve the on & off-momentum dynamic aperture for synchrotrons. And applied to the two lattice options/solutions for BESSY III. A guideline is also provided for how to estimate the resulting performance for the “real lattice. The so-called tune confinement approach [32].

### **Funding Agency**

### **Footnotes**

### **I have read and accept the Privacy Policy Statement**

Yes

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