

CAS course on "Normal- and Superconducting Magnets", 19 November - 02 December 2023, St. Pölten, Austria



Contribution ID: 19

Type: **not specified**

SC magnet design - EM part I

Wednesday 22 November 2023 11:00 (1 hour)

After a brief recap of the derivation of field harmonics, this lecture delineates the process of creating multipoles with current lines, focusing particularly on dipoles and quadrupoles. The presentation covers the derivation of ideal dipolar and quadrupolar fields, as well as more realistic cases such as sector coils and canted cos-theta configurations.

Presenter: FARINON, Stefania (INFN e Universita Genova (IT))