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## Structural Concept Design Of CFETR CS Model Coil

*Wednesday 7 June 2017 13:40 (2 hours)*

The structural concept design of the central solenoid model coil of China Fusion Engineering Test Reactor has been carried out by ASIPP. The CS Model Coil shall produce a 12 Tesla peak field in the bore of the magnet, and the largest magnetic field change rate is 1.5T/S, and operating current is 47.65 KA. CFETR CS Model coil Structural concept design mainly including coil winding design, buffer zone concept design, preload structure concept design, coil joint and joint support concept design, helium supply system and pipe support concept design and so on.

### Eligible for student paper award?

No

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