

A brief introduction to the DIII-D device

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Abstract. The DIII-D tokamak was a major upgrade of the Doublet III device and was commissioned in 1986. It featured a large non-circular plasma cross section and was optimized for understanding the role of the plasma cross section in plasma stability and performance along with the effective coupling of the plasma to a divertor region for control of the plasma heat and particle exhaust. Active upgrades of the tokamak and facility have kept them in the forefront of fusion research.

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