

A CLASSIFICATION OF BOTT TOWERS

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A *Bott tower* is an iterated $\mathbb{C}P^1$ -bundle over a point

$$B_n \rightarrow B_{n-1} \rightarrow \cdots \rightarrow B_1 \rightarrow B_0 = \{\text{a point}\},$$

where each fibration is the projectivization of a Whitney sum of 2 complex line bundles. B_n is called a *Bott manifold*. I will give a complete classification of Bott towers.

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