

## Math fact of the week

July 29, 2024

**Theorem** (Anderson-Kadec, [BP75, Theorem VI § 5.2]). *Any two infinite dimensional separable Fréchet spaces are homeomorphic as topological spaces.*

### REFERENCES

- [BP75] C. Bessaga and A. Pełczyński. *Selected topics in infinite-dimensional topology*. Monografie matematyczne ; t. 58. Warszawa: PWN-Polish Scientific Publishers, 1975.