

# FULL TITLE

SHUBH AGARWAL, SAKSHAM CHHIMWAL, ABHIRAM, AND RISHIKESH

**Theorem 1. *Rank-Nullity Theorem*** : Suppose  $V$  is finite-dimensional and  $T \in \mathcal{L} : (V, W)$ . Then range  $T$  is finite-dimensional and

$$\text{Rank}(T) + \text{Nullity}(T) = \dim(V), \text{ or} \\ \dim(\text{Range}(T)) + \dim(\text{Ker}(T)) = \dim(V)$$

*Email address*, Shubh: 210020047@iitdh.ac.in

*URL*: <https://shubhagarwal-dev.github.io/>

*Email address*, Saksham: 210010046@iitdh.ac.in

*URL*: <http://www.authortwo.uni-atwo.hu>

*Email address*, A. Three: author-three@authorthree-inst.edu

*Email address*, A. Three: author-three@authorthree-inst.edu

---

*Date*: January 20, 2023.

2020 *Mathematics Subject Classification*. 2023 Mathematics for Data Science, CSXXX.

This paper is in final form.