



Università Politecnica delle Marche
DIISM - Dipartimento di Ingegneria Industriale e
Scienze Matematiche

AVVISO DI SEMINARIO

Mercoledì 9 Aprile 2025 – ore 11:00

Presso l'aula 155/B - DIISM - Quota 155

Il dott. **Matěj Doležálek**
(Università di Costanza)

terrà un seminario dal titolo

**Induction on non-defective Segre-Veronese
varieties embedded by $O(1,2)$.**

Abstract: We generalize an induction-specialization technique due to Brambilla and Ottaviani into a construction we call the inductant. With it, we obtain a computer-assisted proof that Segre-Veronese varieties $P^m \times P^n$ embedded by $O(1,2)$ are non-defective when $n \gg m^3$, $m \geq 3$. This was already proved in the subabundant case by Abo and Brambilla, we provide a complementary result in the superabundant case. Based on joint work with Nikhil Ken.