

İTÜ



İSTANBUL TEKNİK ÜNİVERSİTESİ
MATEMATİK MÜHENDİSLİĞİ
BÖLÜM SEMİNERİ

Emine Yıldırım

Konuşmanın Başlığı: The Coxeter Transformation on Grid Posets

Konuşmanın Özeti: Let $P_{k,n}$ be a grid poset, i.e., the product of two chains, of length k and n . Let $J(P_{k,n})$ be the poset of order ideals of $P_{k,n}$, and A be the incidence algebra of the poset $J(P_{k,n})$. In this talk, we will first give the definition of Coxeter transformation τ , and then investigate periodicity of τ for the algebra A . It is a well-known result that τ is periodic for hereditary algebras. This result extended to piecewise hereditary algebras by S. Ladkani. The algebra A we will investigate in this talk is neither hereditary nor piecewise hereditary, but we will show that τ is periodic in this case too. Our result extends further to two of the three infinite families of cominusculé posets.

Tarih: 15 Aralık 2017 Cuma

İkram: 14:30-15:00

Seminer: 15:00-16:00

Yer: Matematik Mühendisliği B1-326

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