

# GENEL SEMİNER

## CHAOS AND NON-LINEAR DYNAMIC EQUATIONS VII

### “Bäcklund transformation for KdV-sequence”

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**Özet:** Our last seminar talk is devoted to the Bäcklund transformation (BT) for so-called Korteweg-de Vries (KdV) sequence of partial differential equations with soliton-type solutions. We demonstrate that the natural form of BT is Schwarzian; this fact allows us to generate the family of self-similar solutions for KdV-sequence by Möbius transformation.

*Tarih:* 25/05/2010

*Saat:* 16:00

*Yer:* İstanbul Kültür Üniversitesi  
Fen-Edebiyat Fakültesi, Hülya Şenkon Dersliği (D-352)  
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