

Sayısal Analiz Dönem Projesi

20011906

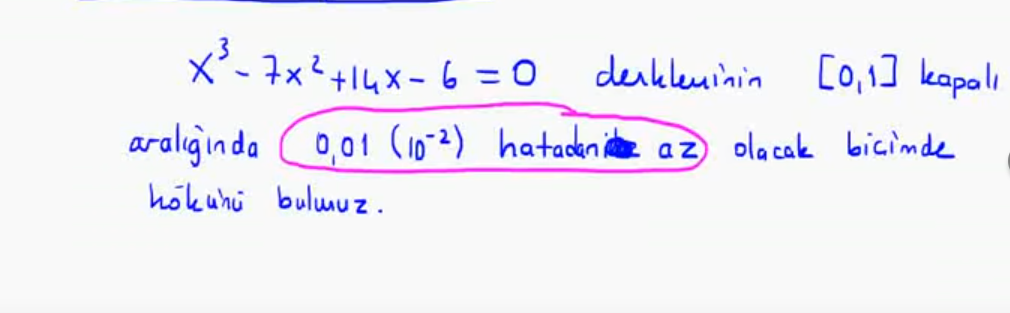
Basel Kelziye

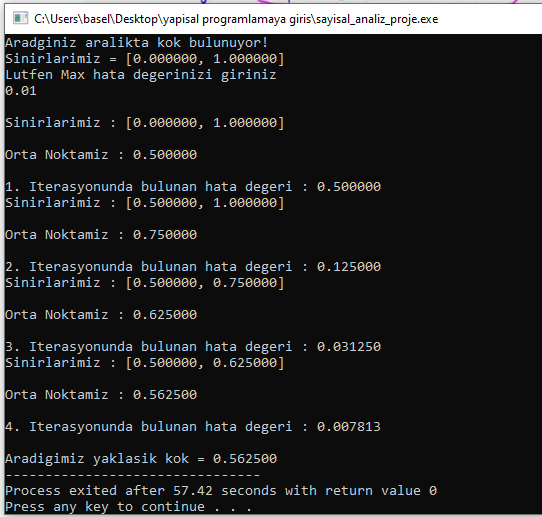
Ders Yürütücüsü

Ögr. Gör. Dr. Ahmet ELBİR

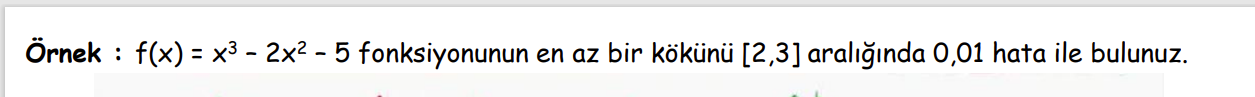
Program sadece polinom tipi fonksiyonlar için çalışmaktadır. Her yöntemde girilen bilgiler önceden gösterilip ardından sonuç çıktısı gösterilmektedir.(Program Kullanıcıya Açık Açık mesaj verdiği için her adım anlatılmamıştır.)

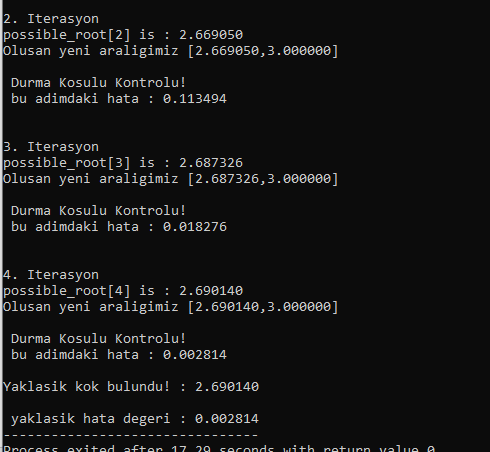
1-) BISECTION YONTEMI



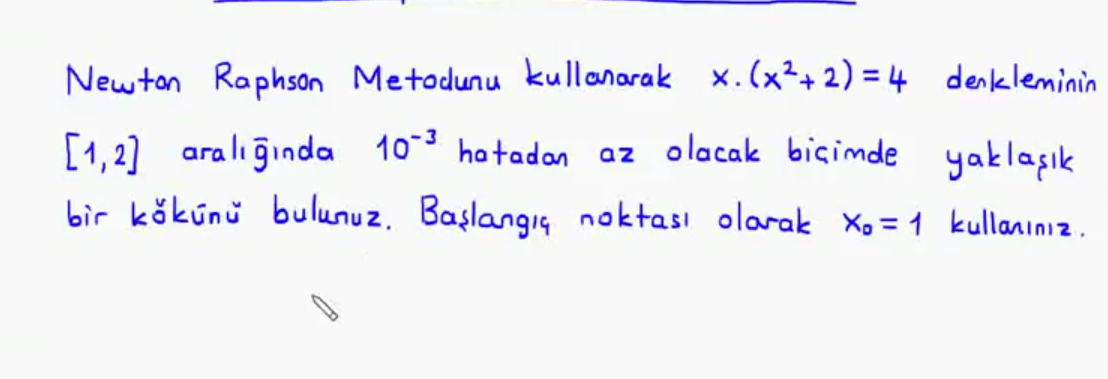


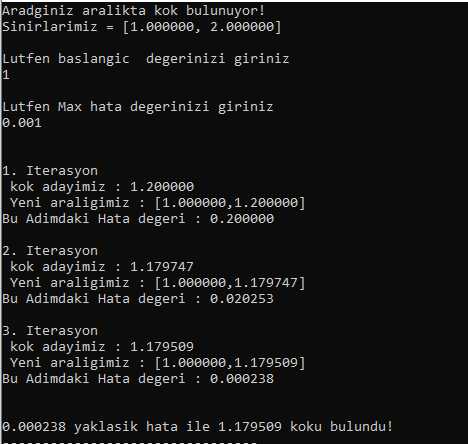
2-) Regula-Falsi



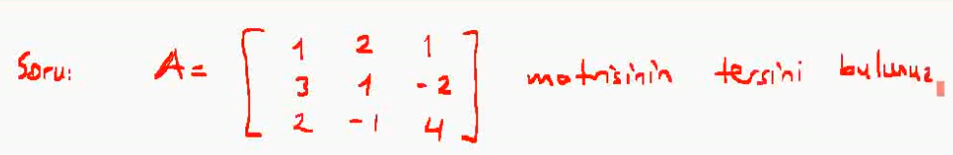


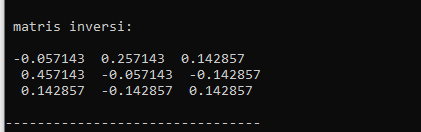
3-) Newton-Raphson



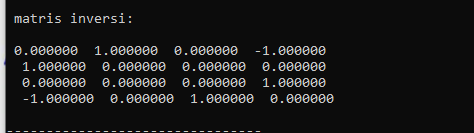


4-) NxN matrisin tersi

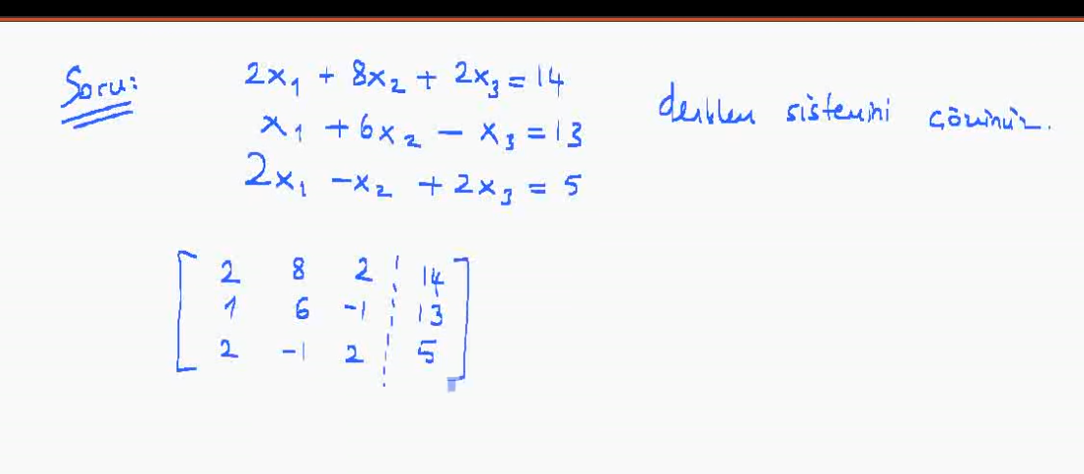


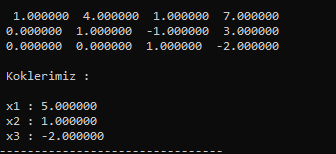




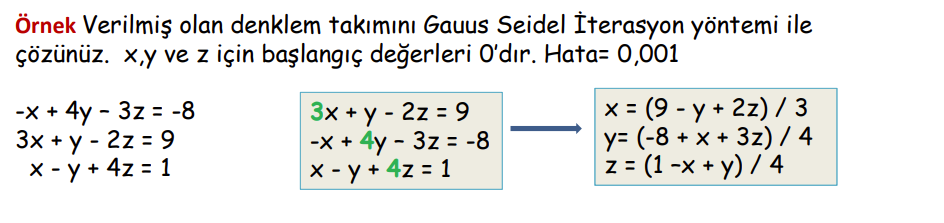


5-) Gauss Yok etme

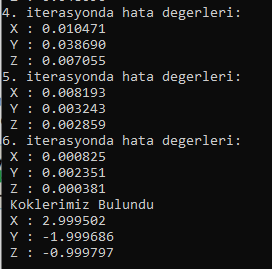




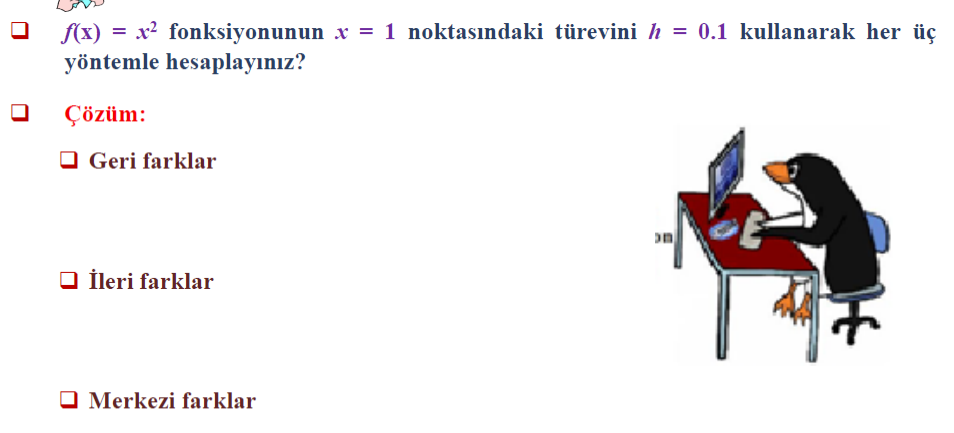
6-) Gauss-Seidal



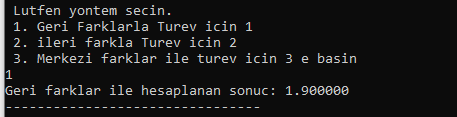
Burda denklemlerin ilk hali girilerse program sonsuza sapıyor.(kosegenlestirmek gerek)



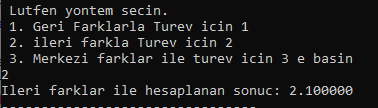
7-)Sayısal türev



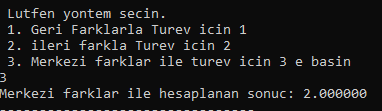
Geri Farklar:



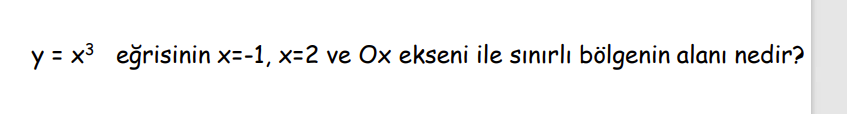
İleri Farklar:



Merkezi Farklar:

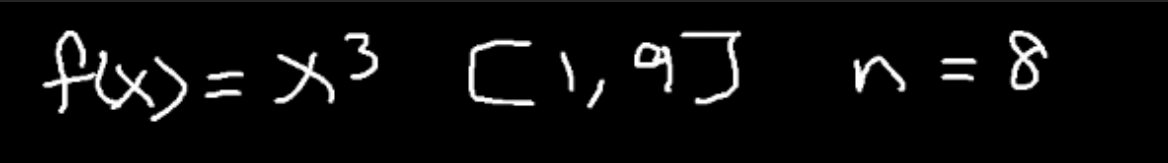


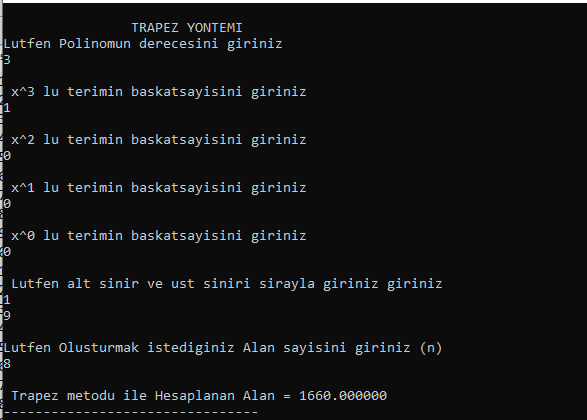
8-) Simson 1/3





9-) Trapez Yontemi





10-) Gregory-Newton Interpolasyonu

