

Uygulama

Aşağıdaki "DÖNÜŞÜM" aracını MATLAB GUI ortamında tasarlayınız.

The image displays six screenshots of the 'DÖNÜŞÜMLER' (Transformations) MATLAB GUI application, arranged in a 3x2 grid. Each window shows the application's interface with a title bar 'eemba_lab7' and a main title 'DÖNÜŞÜMLER'. The interface includes a text input field for the function, a dropdown menu for the transformation type, a checkbox for 'Ters' (Inverse), and a 'Dönüşümü' (Transform) button. Below the input field, the result of the transformation is displayed in a text box.

- Top Left:** Function: $5 \cdot \sin(2^t) \cdot \exp(-t)$; Transformation: Laplace dönüşümü; Inverse: ; Result: $1/(s+1) + 10/(s^2+4)$
- Top Right:** Function: $1/(s+1) + 10/(s^2+4)$; Transformation: Laplace dönüşümü; Inverse: ; Result: $1/\exp(t) + 5 \cdot \sin(2^t)$
- Middle Left:** Function: $(-1)^n$; Transformation: z dönüşümü; Inverse: ; Result: $z/(z+1)$
- Middle Right:** Function: $z/(z+1)$; Transformation: z dönüşümü; Inverse: ; Result: $(-1)^n$
- Bottom Left:** Function: 5 ; Transformation: Fourier dönüşümü; Inverse: ; Result: $10 \cdot \pi \cdot \text{dirac}(w)$
- Bottom Right:** Function: $10 \cdot \pi \cdot \text{dirac}(w)$; Transformation: Fourier dönüşümü; Inverse: ; Result: 5

Başarılar dilerim...

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