Consider another example where you will have a Laplace transform and its inversion, both analytical

(s)[3, =- ,

Here, are the roots of the following characteristic equation

(\*)

Start with the following values of the parameters

; a=3 mm

As a different test, consider the inversion of the surface radial displacement of a cylindrical scaffold u(t).

Its Laplace transform is

=-

and its inversion is

Note that

Use from eq.\* with assume