

Numerical Methods - Assignment 10

Due Tuesday, Oct 29

Implement a Matlab function

```
s = spline( a , b )
```

which receives a vector $a = (a_0, \dots, a_n)$ with $a_0 < \dots < a_n$ and a vector $b = (b_0, \dots, b_n)$ and returns (a handle for) a function $s : [a_0, a_n] \rightarrow \mathbb{R}$, the natural spline interpolating the values b_0, \dots, b_n at the points a_0, \dots, a_n . You may use Matlab's tools for vectorial computation, but not the tools directly related to spline computation.