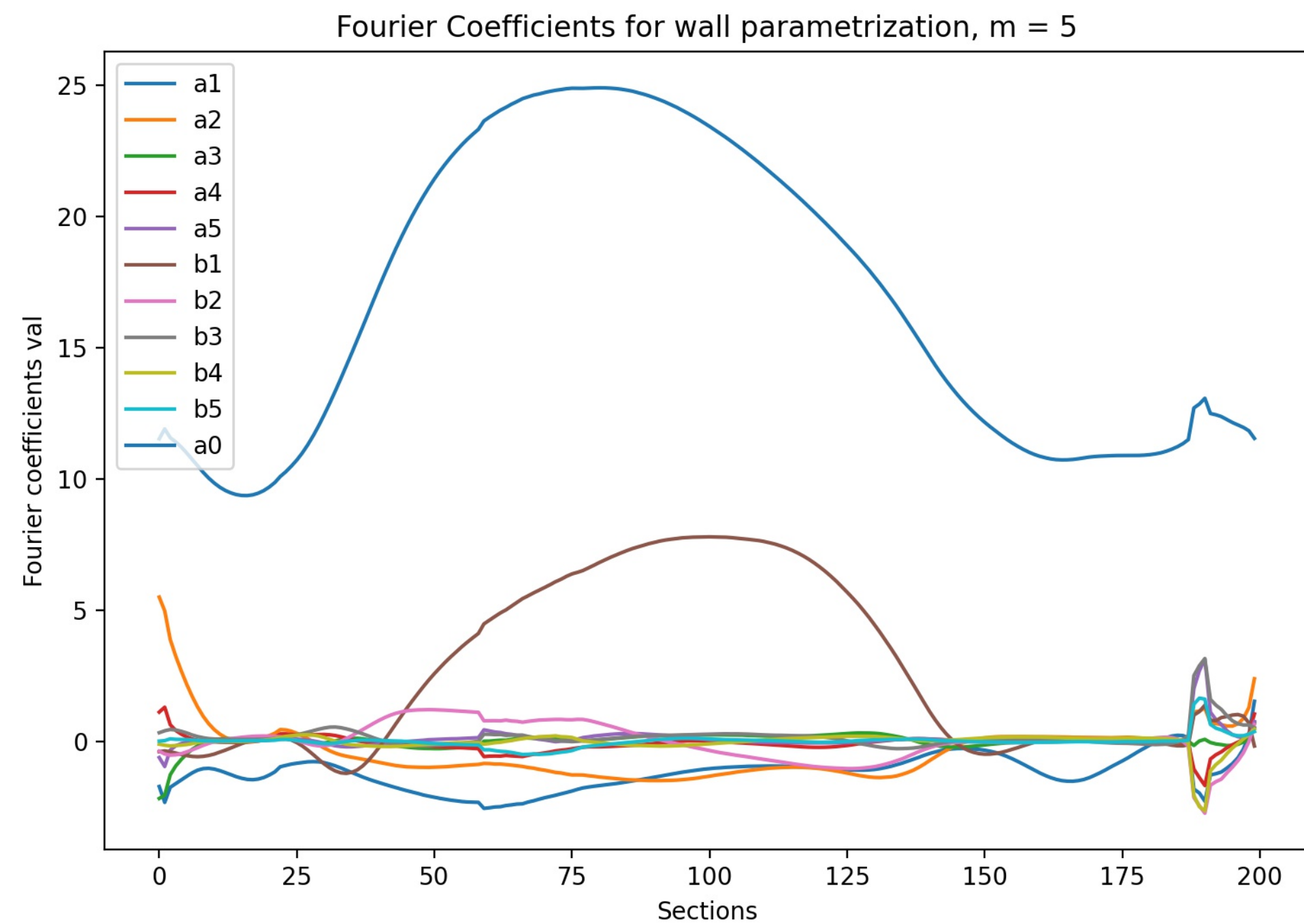
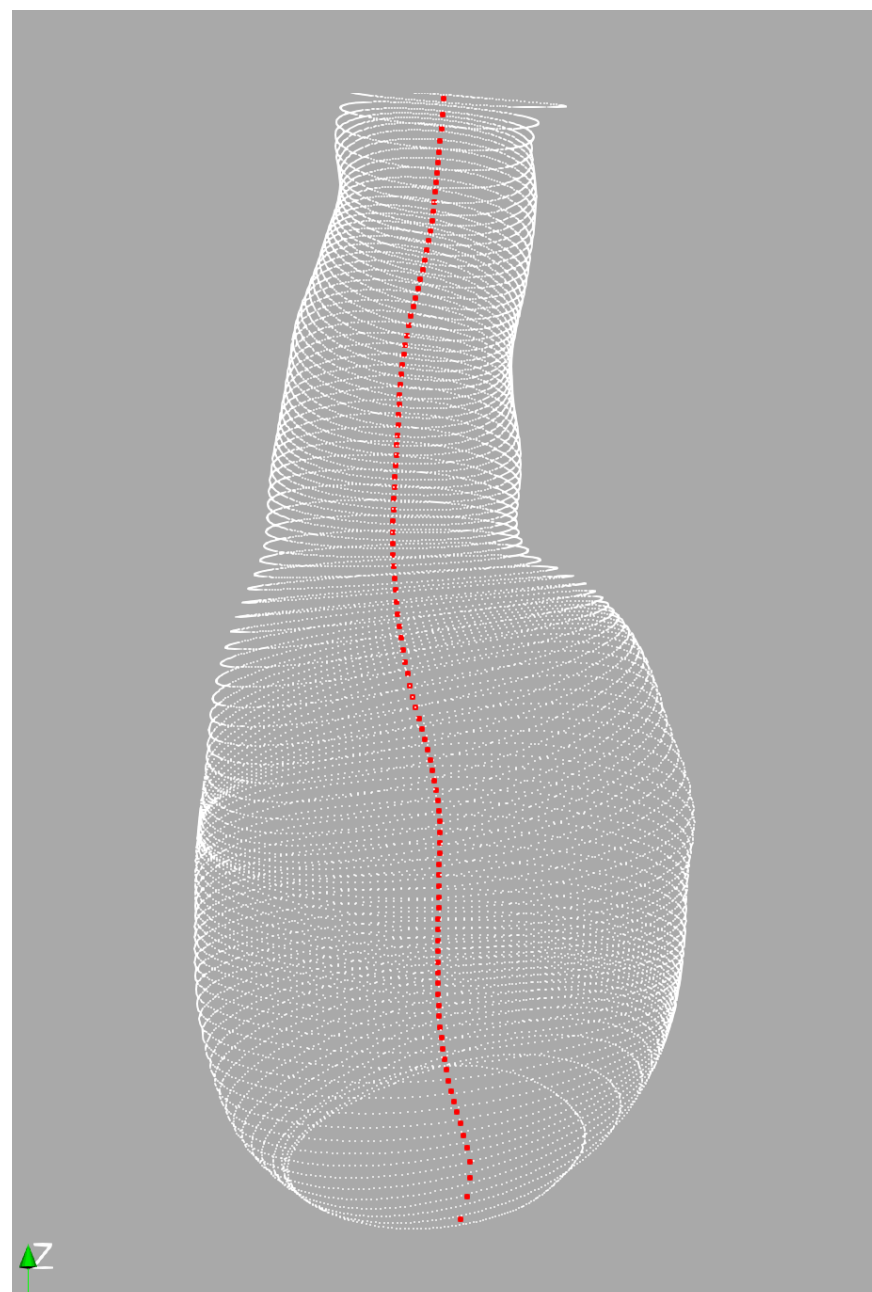


Centreline: $\mathbf{P} = [p_1, p_2, \dots, p_S]$

Aortic wall: $\mathbf{a}_0 = [a_0^1, a_0^2, \dots, a_0^S], \quad \mathbf{a}_j = [a_j^1, a_j^2, \dots, a_j^S],$

$\mathbf{b}_j = [b_j^1, b_j^2, \dots, b_j^S], \quad j = 1, \dots, m.$



**Every aneurysm k
univocally
identified by:
 $\{\mathbf{P}^k, \mathbf{a}_0^k, \mathbf{a}_j^k, \mathbf{b}_j^k\}$**