

# BME 4010

## Homework 2

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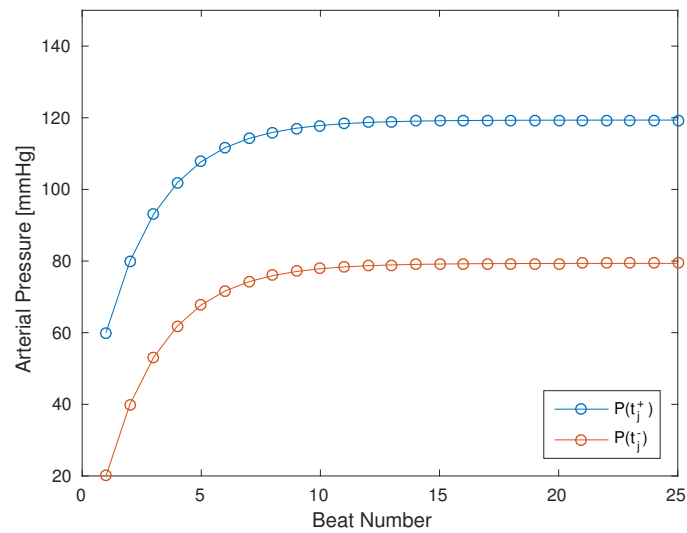


Figure 1: Arterial pressure under normal conditions, with  $P(t_1^-) = 20$  mmHg

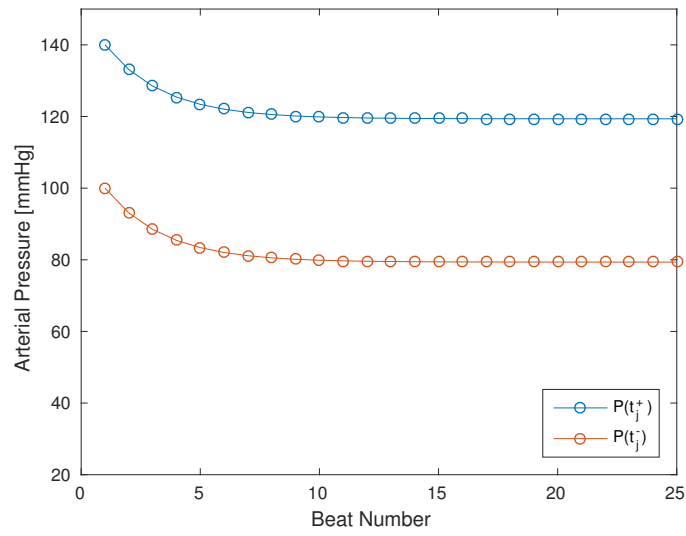


Figure 2: Arterial pressure under normal conditions, with  $P(t_1^-) = 100$  mmHg

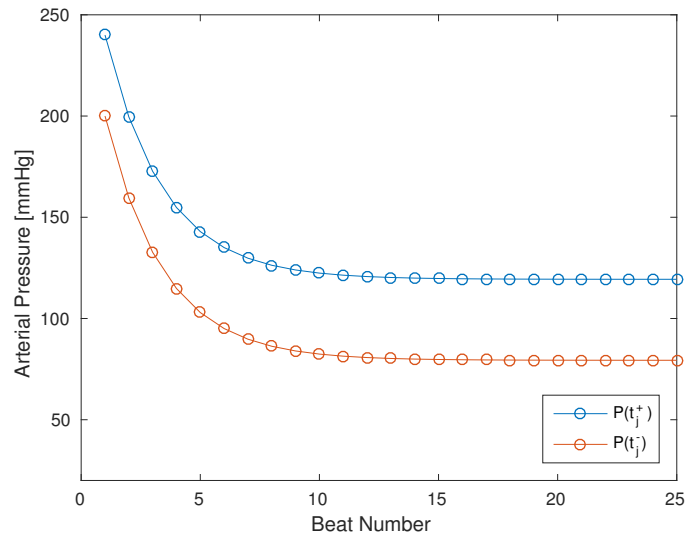
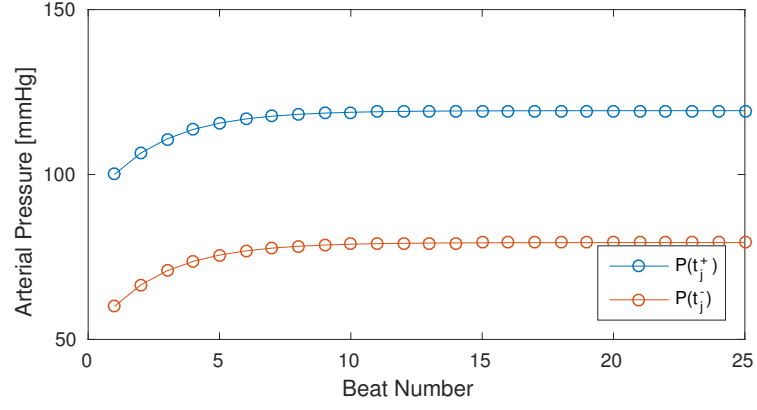
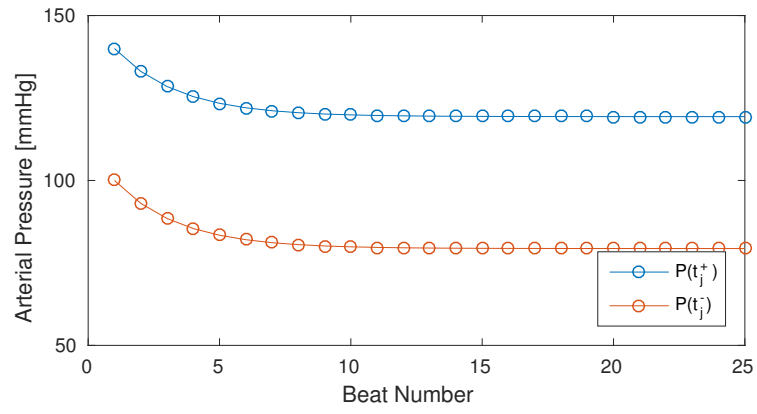


Figure 3: Arterial pressure under normal conditions, with  $P(t_1^-) = 200$  mmHg

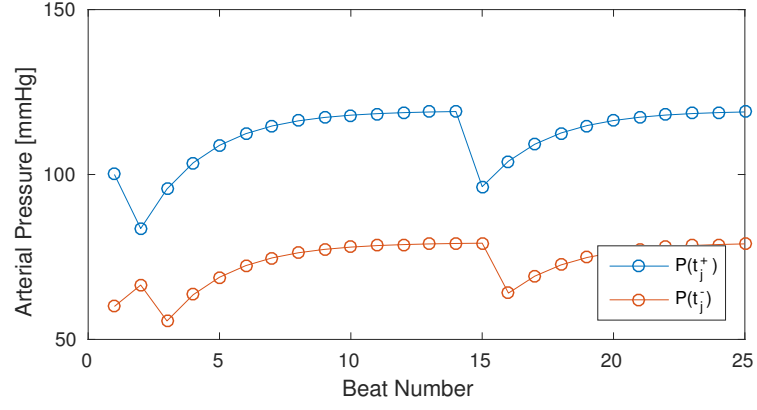


(a)  $P(t_1^-) = 60$  mmHg

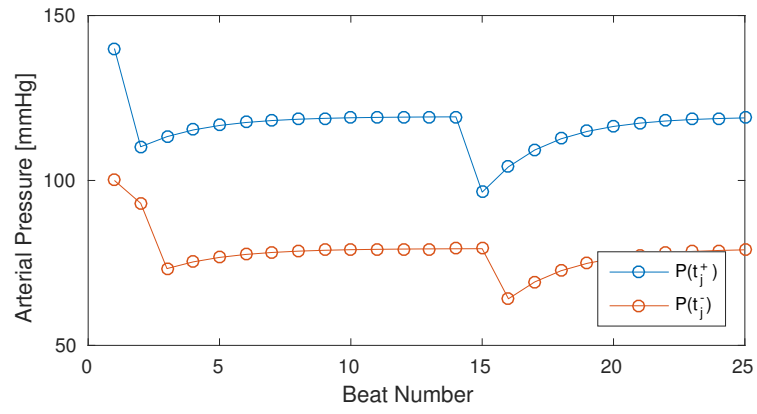


(b)  $P(t_1^-) = 100$  mmHg

Figure 4: Arterial pressure with no mitral valve prolapse

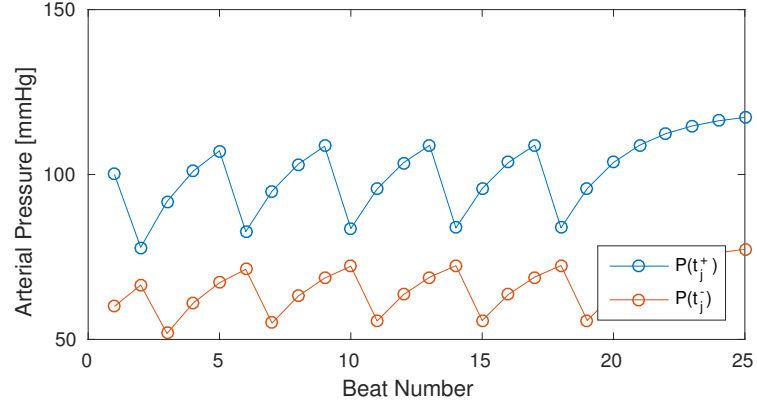


(a)  $P(t_1^-) = 60$  mmHg

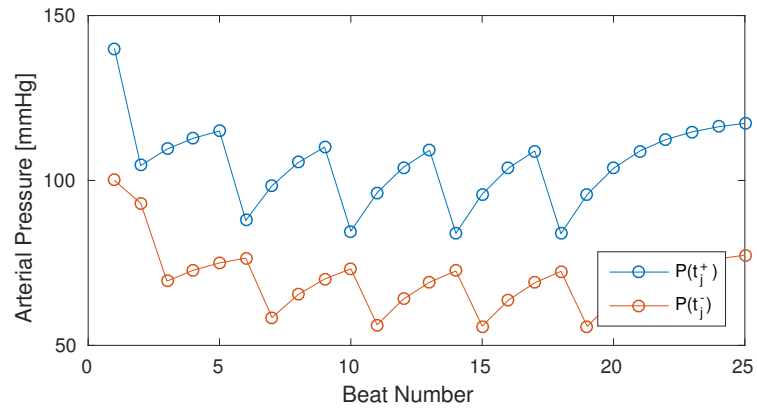


(b)  $P(t_1^-) = 100$  mmHg

Figure 5: Arterial pressure with weak second and fifteenth beats



(a)  $P(t_1^-) = 60$  mmHg



(b)  $P(t_1^-) = 100$  mmHg

Figure 6: Arterial pressure with many weak beats