



14/03/2022

Butterfly
50 m

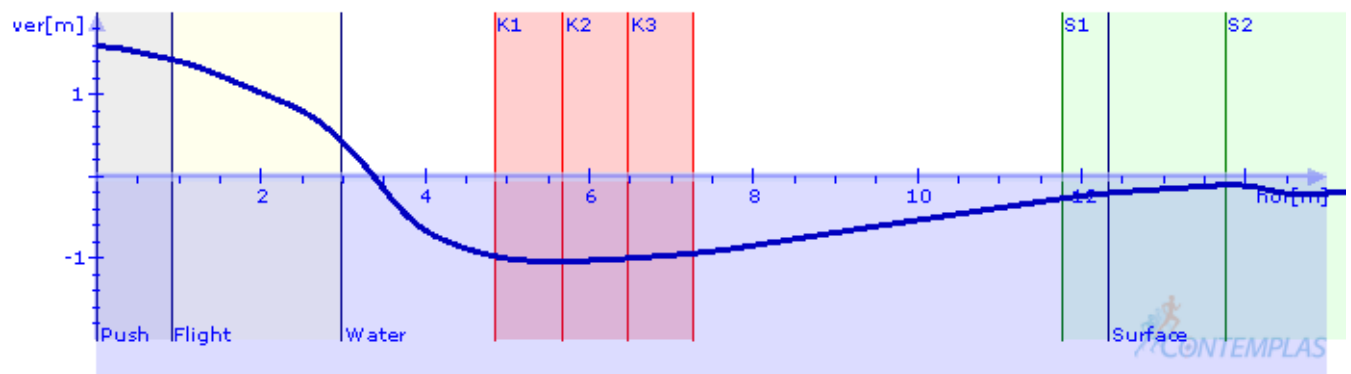


Start to 15 m

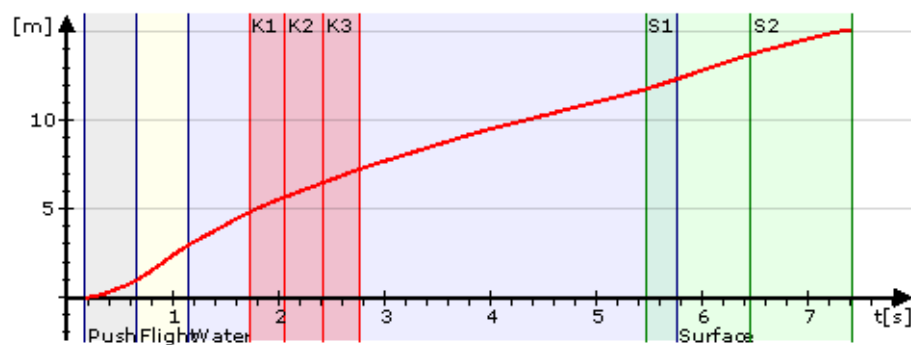
Measured values

| | |
|----------------------------------|---------|
| Distance to water entry | 3,30m |
| Hor. distance hands-feet [entry] | 0,40m |
| Hor. velocity hands [entry] | 4,49m/s |
| Hor. velocity hip to kick 1 | 3,37m/s |
| Hor. velocity hip [3 kicks] | 2,32m/s |
| Hor. velocity hip [stroke 1] | 2,01m/s |
| Hor. velocity hip [stroke 2] | 1,56m/s |
| Kick rate | 1,0/s |

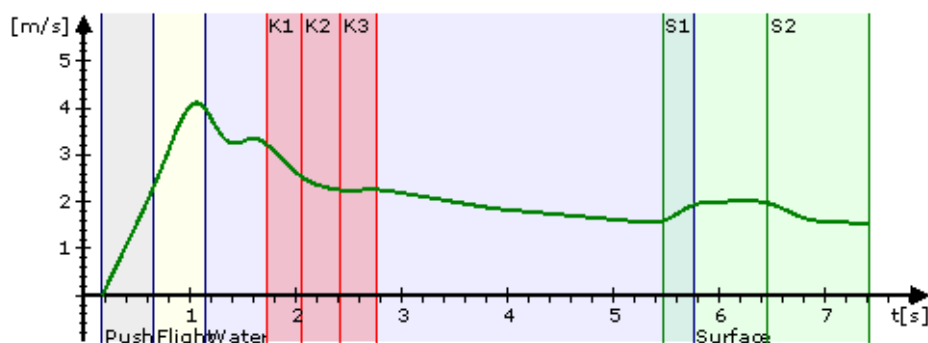
Hip trajectory (hor/ver)



Horizontal displacement



Horizontal velocity





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Start analysis

| | |
|-----------------------|---------|
| Reaction time | 0,17s |
| Push time | 0,49s |
| Flight phase | 0,35s |
| Split time 5m | 1,52s |
| Split time 10m | 3,87s |
| Split time 15m | 6,83s |
| avg. velocity 0m-5m | 3,29m/s |
| avg. velocity 5m-10m | 2,13m/s |
| avg. velocity 10m-15m | 1,69m/s |



| | |
|--------------------------------|---------|
| Height hip @takeoff | 1,38m |
| Angle hip @takeoff | -16,9° |
| Height hip @water entry | 0,75m |
| Angle hip @water entry | 37,9° |
| Distance to water entry | 3,30m |
| Hor. translation head [push] | 1,26m |
| Hor. translation head [flight] | 1,34m |
| Hor. translation hip [flight] | 1,52m |
| Hor. velocity hip [flight] | 4,33m/s |
| Hor. velocity hands [entry] | 4,49m/s |

Notes

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