## Table X. Wald Khi² Tests (Type III ANOVA) for Fixed Effects of the theoretical model

| Effect | Khi² | df | p | Pseudo R² |
| --- | --- | --- | --- | --- |
| (Intercept) | 5.755 | 1 | 0.016 | 0.000 |
| Movement Type | 0.008 | 1 | 0.928 | 0.002 |
| Starting Position | 822.517 | 1 | 0.000 | 0.141 |
| Amplitude | 3.317 | 2 | 0.190 | 0.009 |
| Speed | 0.101 | 1 | 0.750 | 0.006 |
| Time | 0.004 | 1 | 0.952 | 0.000 |
| abs\_error | 1.493 | 1 | 0.222 | 0.000 |
| Starting Position \* Amplitude | 43.270 | 2 | 0.000 | 0.008 |
| Movement Type \* Amplitude | 4.336 | 2 | 0.114 | 0.002 |
| Movement Type \* Starting Position | 0.878 | 1 | 0.349 | 0.002 |
| Movement Type \* Speed | 0.003 | 1 | 0.959 | 0.000 |
| Amplitude \* Speed | 0.315 | 2 | 0.854 | 0.000 |
| Starting Position \* Speed | 32.804 | 1 | 0.000 | 0.006 |
| Movement Type \* Starting Position \* Amplitude | 5.882 | 2 | 0.053 | 0.001 |
| Movement Type \* Amplitude \* Speed | 0.293 | 2 | 0.864 | 0.000 |
| Movement Type \* Starting Position \* Speed | 1.994 | 1 | 0.158 | 0.000 |
| Starting Position \* Amplitude \* Speed | 1.932 | 2 | 0.381 | 0.000 |
| Movement Type \* Starting Position \* Amplitude \* Speed | 0.732 | 2 | 0.694 | 0.000 |

Note. ??² = Wald chi-square test statistic. p < .05 is considered statistically significant.
To fit the model we used the BOBYQA optimiser using the glmer function in the lme4 package.