FCM Specification

**MF Goal Close:**

x=0 -> y=1

x>20 -> y=0

**MF Goal Medium:**

x<10 -> y=0

x=20 -> y=1

x>30 -> y=0

**MF Goal Far:**

x<20 -> y=0

x>40 -> y=1

**Acceleration:**

acc = 20\*x

**MG Goal Left:**

α<10 -> y=0

α>90 -> y=1

**MF Goal Center:**

α<-20 -> y=0

α=0 -> y=1

α>20 -> y=0

**MF Goal Right:**

α>-10 -> y=0

α<-90 -> y=1

**Turn:**

turn = 45\*x

**Matrix representation:**

|C0|C1|C2|C3|C4|C5|C6|C7|

Goal left - C0| | | | | | | | |

Goal center - C1| | | | | | | | |

Goal right - C2| | | | | | | | |

Goal close - C3| | | | | | | | |

Goal medium - C4| | | | | | | | |

Goal far - C5| | | | | | | | |

Accelerate - C6|><|><|><|><|><|><| | |

Turn - C7|><|><|><|><|><|><| | |

\* mark |><| represents weights actually used to calculate outputs <-> genotype