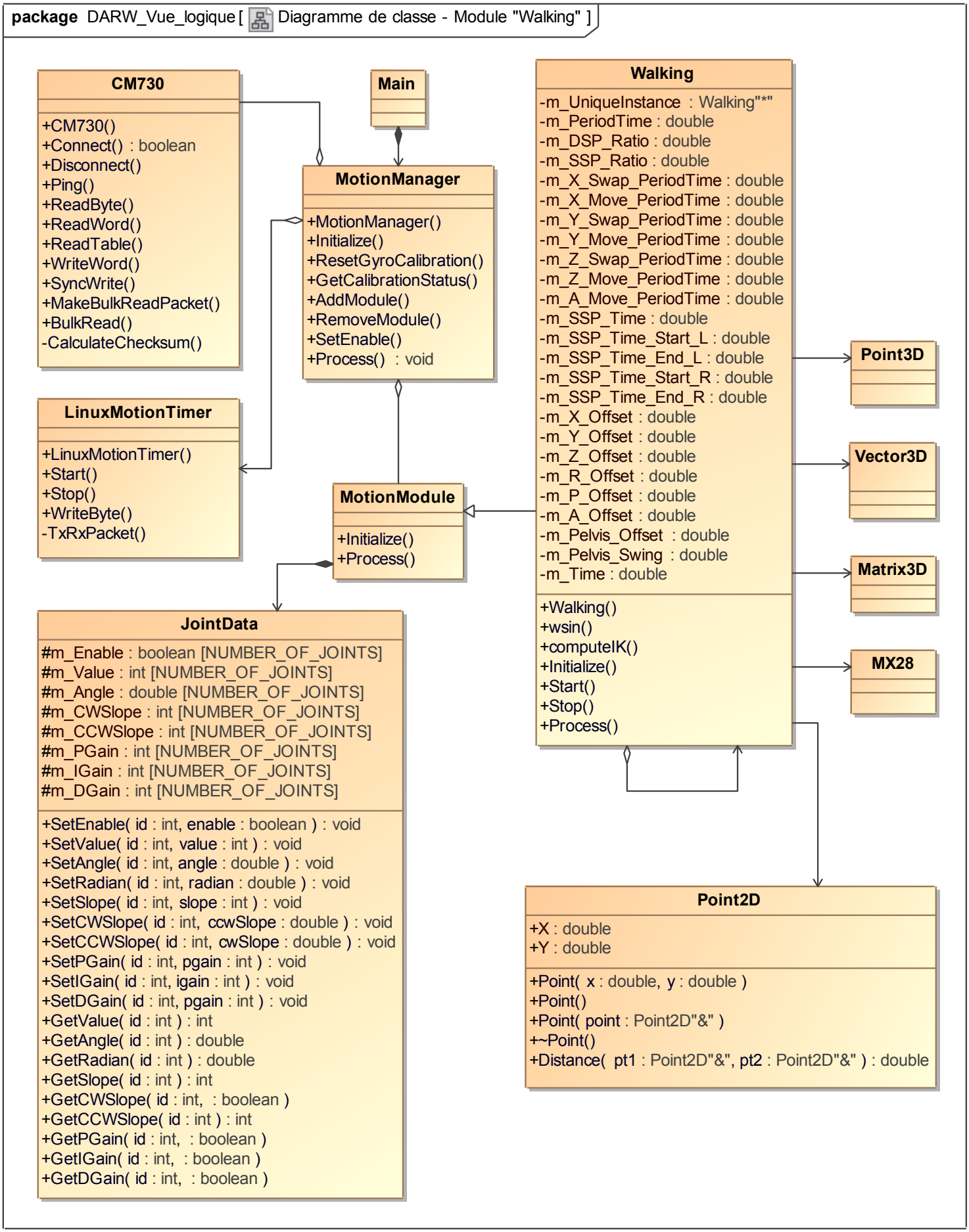
package DARW_Vue_logique [Diagramme de classe - Module "Walking"]
CM730
+CM730()
+Connect() : boolean
+Disconnect()
+Ping()
+ReadByte()
+ReadWord()
+ReadTable()
+WriteWord()
+SyncWrite()
+MakeBulkReadPacket()
+BulkRead()
-CalculateChecksum()
Main
MotionManager
+MotionManager()
+Initialize()
+ResetGyroCalibration()
+GetCalibrationStatus()
+AddModule()
+RemoveModule()
+SetEnable()
+Process() : void
LinuxMotionTimer
+LinuxMotionTimer()
+Start()
+Stop()
+WriteByte()
-TxRxPacket()
MotionModule
+Initialize()
+Process()
Walking
-m_UniqueInstance : Walking"*"
-m_PeriodTime : double
-m_DSP_Ratio : double
-m_SSP_Ratio : double
-m_X_Swap_PeriodTime : double
-m_X_Move_PeriodTime : double
-m_Y_Swap_PeriodTime : double
-m_Y_Move_PeriodTime : double
-m_Z_Swap_PeriodTime : double
-m_Z_Move_PeriodTime : double
-m_A_Move_PeriodTime : double
-m_SSP_Time : double
-m_SSP_Time_Start_L : double
-m_SSP_Time_End_L : double
-m_SSP_Time_Start_R : double
-m_SSP_Time_End_R : double
-m_X_Offset : double
-m_Y_Offset : double
-m_Z_Offset : double
-m_R_Offset : double
-m_P_Offset : double
-m_A_Offset : double
-m_Pelvis_Offset : double
-m_Pelvis_Swing : double
-m_Time : double
+Walking()
+wsin()
+computeIK()
+Initialize()
+Start()
+Stop()
+Process()
Point3D
Vector3D
Matrix3D
MX28
JointData
#m_Enable : boolean [NUMBER_OF_JOINTS]
#m_Value : int [NUMBER_OF_JOINTS]
#m_Angle : double [NUMBER_OF_JOINTS]
#m_CWSlope : int [NUMBER_OF_JOINTS]
#m_CCWSlope : int [NUMBER_OF_JOINTS]
#m_PGain : int [NUMBER_OF_JOINTS]
#m_IGain : int [NUMBER_OF_JOINTS]
#m_DGain : int [NUMBER_OF_JOINTS]
+SetEnable(id : int, enable : boolean) : void
+SetValue(id : int, value : int) : void
+SetAngle(id : int, angle : double) : void
+SetRadian(id : int, radian : double) : void
+SetSlope(id : int, slope : int) : void
+SetCWSlope(id : int, ccwSlope : double) : void
+SetCCWSlope(id : int, cwSlope : double) : void
+SetPGain(id : int, pgain : int) : void
+SetIGain(id : int, igain : int) : void
+SetDGain(id : int, pgain : int) : void
+GetValue(id : int) : int
+GetAngle(id : int) : double
+GetRadian(id : int) : double
+GetSlope(id : int) : int
+GetCWSlope(id : int, : boolean)
+GetCCWSlope(id : int) : int
+GetPGain(id : int, : boolean)
+GetIGain(id : int, : boolean)
+GetDGain(id : int, : boolean)
Point2D
+X : double
+Y : double
+Point(x : double, y : double)
+Point()
+Point(point : Point2D"&")
+~Point()
+Distance(pt1 : Point2D"&", pt2 : Point2D"&") : double