



BDSMagnetOuterFactoryBase

lengthSafety
 # checkOverlaps
 # nSegmentsPerCircle
 # maxStepFactor
 # poleSolid
 # yokeSolid
 # containerSolid
 # poleLV
 # yokeLV
 # containerLV

+ CreateSectorBend()
 + CreateRectangularBend()
 + CreateQuadrupole()
 + CreateSextupole()
 + CreateOctupole()
 + CreateDecapole()
 + CreateSolenoid()
 + CreateMultipole()
 + CreateRfCavity()
 + CreateMuSpoiler()
 + CreateKicker()
 + CleanUp()
 # BDSMagnetOuterFactoryBase()

BDSMagnetOuterFactoryPolesBase

poleFraction
 # poleAngularFraction
 # poleTipFraction
 # poleStartRadius
 # poleFinishRadius
 # yokeStartRadius
 # yokeFinishRadius

+ BDSMagnetOuterFactoryPolesBase()
 + CreateSectorBend()
 + CreateRectangularBend()
 + CreateQuadrupole()
 + CreateSextupole()
 + CreateOctupole()
 + CreateDecapole()
 + CreateSolenoid()
 + CreateMultipole()
 + CreateRfCavity()
 + CreateMuSpoiler()
 + CreateKicker()
 # CleanUp()
 # CalculatePoleAndYoke()
 # CreatePoleSolid()
 # CreateYokeAndContainerSolid()
 # CreateLogicalVolumes()
 # PlaceComponents()
 # CommonConstructor()
 # TestInputParameters()
 # KickerConstructor()

BDSMagnetOuterFactoryPolesCircular

- _instance

+ ~BDSMagnetOuterFactoryPolesCircular()
 + Instance()
 + BDSMagnetOuterFactoryPolesCircular()

BDSMagnetOuterFactoryPolesFacet

- _instance

+ ~BDSMagnetOuterFactoryPolesFacet()
 + Instance()
 - BDSMagnetOuterFactoryPolesFacet()
 - CreatePoleSolid()
 - CreateYokeAndContainerSolid()

BDSMagnetOuterFactoryPolesFacetCrop

- _instance

+ ~BDSMagnetOuterFactoryPolesFacetCrop()
 + Instance()
 - BDSMagnetOuterFactoryPolesFacetCrop()
 - CreatePoleSolid()
 - CreateYokeAndContainerSolid()

BDSMagnetOuterFactoryPolesSquare

- poleRotations
 - poleSolids
 - poleLVs
 - _instance

+ ~BDSMagnetOuterFactoryPolesSquare()
 + Instance()
 - BDSMagnetOuterFactoryPolesSquare()
 - CleanUp()
 - CreatePoleSolid()
 - CreateYokeAndContainerSolid()
 - CreateLogicalVolumes()
 - PlaceComponents()
 - CommonConstructor()