A:assumpOD A:assumpCST A:assumpAD A:assumpDI A:assumpDI DD:linDisp	DD:chaslesThm	TM:UniversalGravLaw TM:NewtonSecLawRotMot GD:accelGravity GD:impulse IM:transMot IM:rotMot IM:rotMot FR:simSpace FR:inputInitialConds FR:inputSurfaceProps FR:verifyPhysCons FR:cale	TransOverTime FR:calcRotOverTime FR:deterColls FR:deterCollRespOverTime NFR:performance NFR:correctness NFR:usability NFR:understandability NFR:maintainability GS:linearGS GS:angularGS