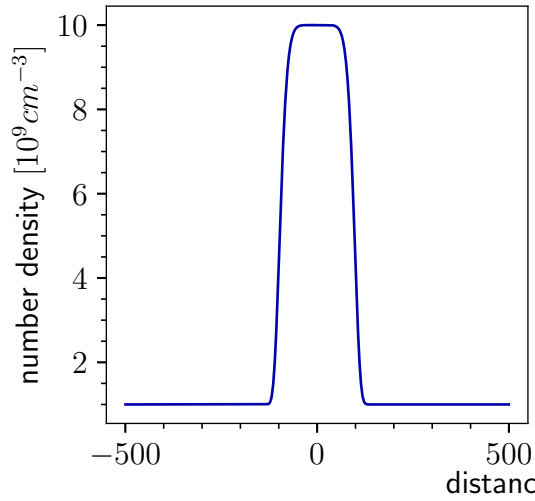


number density



characteristic speeds

