The ionization fraction of the primordial gas finally froze out at $z \sim 700 - 800$ to a value of $x \sim \frac{2 \times 10^{-4}}{0.3 \times 10^{21}}$.

The latter solely changes with the expansion of the Universe, $\rho_0(t) = \rho_0(1 + z)^3 \cdots$

Thus, Eq. (2.26) can be simplified to ...

We equate the two terms on the right-hand-side of Eq. (2.26) ... 

$\Omega(R) \sim v_{\text{Kep}}(R) \sim 9 \text{ km s}^{-1}$ 

$\cdots$ mixed boundary conditions (von Neumann & Cauchy) ... 

In general definitions and definitions referring to random processes where the random variables are indexed by integers or real numbers, one usually uses the symbol $X$.

$\cdots$ corresponding to between 15 and 40% of the total number of sinks formed.

It is enough for variation in the density, ... 

$\cdots$ we find realizations with 32 cells per Jeans length have both larger radial velocities ... 

$\cdots$ as well as providing magnetic braking which aids the inward transport of angular momentum ... 

\begin{align*}
\left(\frac{\dot{a}}{a}\right) &= \kappa^{3/2} \rho - \kappa^{1/2} a^2 + \frac{1}{2} \\
M_J &= \frac{4}{3} \rho_0 \left(\frac{\lambda}{R}\right)^2 \cdots \\
p(x) &= \frac{1}{\sigma x} \exp \left(-\frac{(x-x_0)^2}{2\sigma^2}\right) \\
p(x) &= \frac{1}{\sigma x} \exp \left(-\frac{(x-x_0)^2}{2\sigma^2}\right)
\end{align*}

Equation | Original | Correction
---|---|---
(2.5) | $\left(\frac{\dot{a}}{a}\right) = \kappa^{3/2} \rho - \kappa^{1/2} a^2 + \frac{1}{2}$ | $\left(\frac{\dot{a}}{a}\right)^2 = \frac{1}{2} \rho - \frac{1}{2} \rho_0 + \frac{1}{2}$
(3.35) | $M_J = \frac{4}{3} \rho_0 \left(\frac{\lambda}{R}\right)^2$ | $M_J = \frac{4}{3} \rho \left(\frac{\lambda}{R}\right)^3$
(3.59) | $p(x) = \frac{1}{\sigma x} \exp \left(-\frac{(x-x_0)^2}{2\sigma^2}\right)$ | $p(x) = \frac{1}{\sigma x} \exp \left(-\frac{(x-x_0)^2}{2\sigma^2}\right)$

Figure | Original | Correction
---|---|---
2.3 | Image source: http://wwwmpa.mpa-garching.mpg.de/galform/virgo/millennium/seqF_037a_half.jpg | Image source: http://wwwmpa.mpa-garching.mpg.de/galform/virgo/millennium/seqF_037a_half.jpg
5.1 | $R \propto n^{-2.2}$ | $n \propto R^{-2.2}$
8.5 Comparison of the mass accretion histories between.

8.9 Left: realization $\beta$01-1 with divB refinement. Right: realization $\alpha$025-5 without divB refinement. Top: realization $\beta$01-1 with divB refinement. Bottom: realization $\alpha$025-5 without divB refinement.

<table>
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<tr>
<td>10.2</td>
<td>Snapshot output times at $\sim$ 50 yr after first sink formation used for Fig. fig:vrot-later.</td>
<td>Snapshot output times at $\sim$ 50 yr after first sink formation used for Fig. 5.14.</td>
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