

WMAP Cosmological Parameters

Model: lcdm+tens

Data: wmap9+bao

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|-------------------------------|--|---------------------------|----------------------------------|
| $10^9 \Delta_{\mathcal{R}}^2$ | $2.409^{+0.087}_{-0.086}$ | H_0 | $68.93^{+0.95}_{-0.96}$ km/s/Mpc |
| $\ell(\ell+1)C_{220}/(2\pi)$ | $5734 \pm 33 \mu\text{K}^2$ | $d_A(z_{\text{eq}})$ | 14139 ± 93 Mpc |
| $d_A(z_*)$ | 13973 ± 94 Mpc | $D_v(z=0.57)/r_s(z_d)$ | 13.45 ± 0.13 |
| η | $(6.19 \pm 0.12) \times 10^{-10}$ | k_{eq} | 0.01013 ± 0.00018 |
| ℓ_{eq} | 141.6 ± 1.7 | ℓ_* | 302.49 ± 0.59 |
| n_b | $(2.542 \pm 0.051) \times 10^{-7} \text{ cm}^{-3}$ | n_s | 0.973 ± 0.011 |
| n_t | > -0.022 (95% CL) | Ω_b | 0.0477 ± 0.0011 |
| $\Omega_b h^2$ | 0.02264 ± 0.00045 | Ω_c | 0.245 ± 0.010 |
| $\Omega_c h^2$ | 0.1162 ± 0.0024 | Ω_Λ | 0.708 ± 0.011 |
| Ω_m | 0.292 ± 0.011 | $\Omega_m h^2$ | 0.1388 ± 0.0025 |
| r | < 0.18 (95% CL) | $r_s(z_d)$ | 151.56 ± 0.93 Mpc |
| $r_s(z_d)/D_v(z=0.106)$ | $0.3395^{+0.0047}_{-0.0048}$ | $r_s(z_d)/D_v(z=0.2)$ | 0.1856 ± 0.0024 |
| $r_s(z_d)/D_v(z=0.35)$ | 0.1117 ± 0.0013 | $r_s(z_d)/D_v(z=0.44)$ | $0.09180^{+0.00097}_{-0.00098}$ |
| $r_s(z_d)/D_v(z=0.54)$ | $0.07761^{+0.00075}_{-0.00076}$ | $r_s(z_d)/D_v(z=0.57)$ | $0.07435^{+0.00070}_{-0.00071}$ |
| $r_s(z_d)/D_v(z=0.6)$ | 0.07143 ± 0.00066 | $r_s(z_d)/D_v(z=0.73)$ | 0.06163 ± 0.00051 |
| $r_s(z_*)$ | 145.12 ± 0.77 | R | $1.7364^{+0.0067}_{-0.0066}$ |
| σ_8 | 0.831 ± 0.018 | $\sigma_8 \Omega_m^{0.5}$ | 0.449 ± 0.015 |
| $\sigma_8 \Omega_m^{0.6}$ | 0.397 ± 0.015 | A_{SZ} | < 2.0 (95% CL) |
| t_0 | 13.772 ± 0.089 Gyr | τ | 0.086 ± 0.013 |
| θ_* | 0.010386 ± 0.000020 | θ_* | $0.5951 \pm 0.0012^\circ$ |
| τ_{rec} | 282.6 ± 1.3 | t_{reion} | 461^{+66}_{-65} Myr |
| t_* | 374144^{+2129}_{-2132} yr | z_d | 1020.9 ± 1.1 |
| z_{eq} | 3323 ± 60 | z_{rec} | $1088.32^{+0.64}_{-0.65}$ |
| z_{reion} | 10.4 ± 1.1 | z_* | $1091.17^{+0.60}_{-0.59}$ |