



Fig. 12.24 Comparison of (top) experimentally observed and (bottom) simulated pore formation in binary and ternary alloys solidified at $\dot{T} = -2.9 \text{ K s}^{-1}$: (a), (b) and (c) are 3-D micro-tomography views of the pore morphology in Al-4wt%Cu, Al-7wt%Si and W319 alloys, respectively. (d), (e) and (f) are results from 3-D simulations of pore formation in the same alloys. The domain size is 1.2 mm^3 and the color in the simulated pores represents the equivalent pore diameter. Nominal hydrogen content: $0.24 \text{ cc}_{\text{STP}}/100 \text{ g}$. (Courtesy of J.S. Wang and P.D. Lee [22].)

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