The numeric-comp style

This style is similar to `numeric` except that a list of multiple citations is sorted and any sequence of more than two consecutive numbers is formatted as a range. This style will implicitly enable the `sortcites` package option at load time.

Additional package options

The `subentry` option

The option `subentry` affects the handling of citations referring to members of a reference set. If this option is enabled, such citations get an extra letter which identifies the member (it is also printed in the bibliography): [4a,c, 7b,c,b, 4a,c, 5, 7b,c, 4c, 7c].
This option is disabled by default, but it has been enabled in this example. If disabled, citations referring to a set member will point to the entire set, i.e., the above citations would come out as [4, 7, 5].

The `subentrycomp` option

The option `subentrycomp` controls whether or not citations to subentries of the same sets are compressed as well. It only becomes relevant if `subentry` is set to `true`, with `subentry=false` it has no effect. If `subentrycomp` is enabled, subentries that belong to the same set are shown in a more compact form: [4a,c, 7a–c,b, 4a,c, 5, 7a–c,a, 4c, 7c].
If the option is disabled, subentries of sets are shown as in the `numeric` style: [4a, 4c, 7a, 7b, 7c, 7b, 4a, 4a, 4c, 5, 7a, 7b, 7c, 7a, 4c, 7c].
This option is implemented for backwards compatibility, earlier versions of `biblatex` behaved like `subentrycomp=false`, current versions have `subentrycomp=true` enabled.

Multiple citations

[1, 2]
[1–3, 5, 8]
[7, 1–3, 6, 8, 9]
[4, 7, 1–3, 5, 6, 8, 9]
[4b, 7c, 4b, 7c, 4b, 7c]

Multiple citations with `\supercite`

This is just filler text.[1,2]
This is just filler text.[1–3,5,8]
This is just filler text.[7,1–3,6,8,9]
This is just filler text.[4,7,1–3,5,6,8,9]
This is just filler text.[4b,7c,4b,7c,4b,7c]

References

[1] Robert L. Augustine. *Heterogeneous catalysis for the synthetic chemist.* New York: Marcel Dekker, 1995.

[2] Aaron Bertram and Richard Wentworth. "Gromov invariants for holomorphic maps on Riemann surfaces." In: *J. Amer. Math. Soc.* 9.2 (1996), pp. 529–571.

[3] Frank Albert Cotton et al. *Advanced inorganic chemistry.* 6th ed. Chichester: Wiley, 1999.

[4] (a) Sheldon Glashow. "Partial Symmetries of Weak Interactions." In: *Nucl. Phys.* 22 (1961), pp. 579–588; (b) Steven Weinberg. "A Model of Leptons." In: *Phys. Rev. Lett.* 19 (1967), pp. 1264–1266; (c) Abdus Salam. "Weak and Electromagnetic Interactions." In: *Elementary particle theory. Relativistic groups and analyticity.* Proceedings of the Eighth Nobel Symposium (Aspenäsgarden, Lerum, May 19–25, 1968). Ed. by Nils Svartholm. Stockholm: Almquist & Wiksell, 1968, pp. 367–377.

[5] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The LaTeX Companion.* 1st ed. Reading, Mass.: Addison-Wesley, 1994. 528 pp.

[6] Christopher Hammond. *The basics of crystallography and diffraction.* Oxford: International Union of Crystallography and Oxford University Press, 1997.

[7] (a) Wolfgang A. Herrmann et al. "A carbocyclic carbene as an efficient catalyst ligand for C–C coupling reactions." In: *Angew. Chem. Int. Ed.* 45.23 (2006), pp. 3859–3862; (b) Özge Aksın et al. "Effect of immobilization on catalytic characteristics of saturated Pd-N-heterocyclic carbenes in Mizoroki-Heck reactions." In: *J. Organomet. Chem.* 691.13 (2006), pp. 3027–3036; (c) Myeong S. Yoon et al. "Palladium pincer complexes with reduced bond angle strain: efficient catalysts for the Heck reaction." In: *Organometallics* 25.10 (2006), pp. 2409–2411.

[8] Michael J. Hostetler et al. "Alkanethiolate gold cluster molecules with core diameters from 1.5 to 5.2 nm. Core and monolayer properties as a function of core size." In: *Langmuir* 14.1 (1998), pp. 17–30.

[9] Werner Massa. *Crystal structure determination.* 2nd ed. Berlin: Spinger, 2004.