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Asli Deniz and **Carsten Lunde Petersen*** (lunde@ruc.dk), Roskilde University,
Universitetsvej 1, DK-4000 Roskilde, Denmark. *Holomorphic Explosions*. Preliminary report.

We introduce a new notion holomorphic explosions and discuss some examples of its usage in holomorphic dynamics. The notion of holomorphic explosion is a relative of the notion of holomorphic motions. The concept of holomorphic explosions is motivated by a study of extension properties of holomorphic motions of subsets of \mathbb{C} over punctured domains in \mathbb{C} . (Received January 27, 2016)