There is an increasing number of additional features in expression engine that make sense only in particular context. These features are available either directly in QgsExpression API (e.g. $rownum, $scale) or through "special columns" (e.g. $map, $page, ...). Additionally, with special columns, their value is shared between all QgsExpression instances, which may eventually lead to problems with concurrency (especially with multi-threading).

More thoughts:
https://www.mail-archive.com/qgis-developer@lists.osgeo.org/msg19488.html

Related issues:
Related to QGIS Application - Feature request # 10539: QgsExpression instance...  
Closed  
2014-06-10

History
#1 - 2015-09-08 08:42 PM - Nathan Woodrow
- Status changed from Open to Closed

Already done thanks to Nyall