**SELECT** article.article\_id, title

**FROM** article

**JOIN** article\_author a **ON** article.article\_id = a.article\_id

**JOIN** author a2 **ON** a.author\_id = a2.author\_id

**WHERE** author\_name = **'Dourish, Paul'**;

*-- BTREE can also speed this up*

**EXPLAIN SELECT** article.article\_id, author\_name, title

**FROM** article

**JOIN** article\_author a **ON** article.article\_id = a.article\_id

**JOIN** author a2 **ON** a.author\_id = a2.author\_id

**WHERE** author\_name **LIKE 'Dourish, %'**;

**EXPLAIN SELECT** article.article\_id, author\_name, title

**FROM** article

**JOIN** article\_author a **ON** article.article\_id = a.article\_id

**JOIN** author a2 **ON** a.author\_id = a2.author\_id

**WHERE** author\_name **LIKE '%, Paul'**;

*-- What if we want to find all articles mentioning 'display'?*

**CREATE FULLTEXT INDEX** article\_search\_idx **ON** article (title, abstract);

**SELECT** article\_id, title

**FROM** article

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'trumpet'**);

**CREATE FULLTEXT INDEX** article\_title\_idx **ON** article (title);

**SELECT** article\_id, title

**FROM** article

**WHERE** *MATCH* (title) *AGAINST* (**'trumpet'**);

*-- no results for 'an'*

**SELECT** article\_id, title

**FROM** article

**WHERE** *MATCH* (title) *AGAINST* (**'an'**);

**SELECT** article\_id, *MATCH* (title, abstract) *AGAINST* (**'trumpet piano'**) **AS** Relevance, title

**FROM** article

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'trumpet piano'**)

**ORDER BY** Relevance **DESC**;

**SELECT** article\_id, *MATCH* (title, abstract) *AGAINST* (**'facebook'**) **AS** Relevance, title

**FROM** article

**JOIN** proceedings p **ON** article.proc\_id = p.proc\_id

**JOIN** conf\_series cs **ON** p.cs\_id = cs.cs\_id

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'facebook'**)

**AND** cs\_hb\_key = **'CSCW'**

**ORDER BY** Relevance **DESC**;

**SELECT** article\_id, *MATCH* (title, abstract) *AGAINST* (**'facebook,twitter'**) **AS** Relevance, title

**FROM** article

**JOIN** proceedings p **ON** article.proc\_id = p.proc\_id

**JOIN** conf\_series cs **ON** p.cs\_id = cs.cs\_id

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'facebook,twitter'**)

**AND** cs\_hb\_key = **'CSCW'**

**ORDER BY** Relevance **DESC**;

*-- AND mode*

**SELECT** article\_id, *MATCH* (title, abstract) *AGAINST* (**'+facebook +twitter' IN BOOLEAN MODE**) **AS** Relevance, title

**FROM** article

**JOIN** proceedings p **ON** article.proc\_id = p.proc\_id

**JOIN** conf\_series cs **ON** p.cs\_id = cs.cs\_id

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'+facebook +twitter' IN BOOLEAN MODE**)

**AND** cs\_hb\_key = **'CSCW'**

**ORDER BY** Relevance **DESC**;

**SELECT** article\_id, *MATCH* (title, abstract) *AGAINST* (**'+facebook -twitter' IN BOOLEAN MODE**) **AS** Relevance, title

**FROM** article

**JOIN** proceedings p **ON** article.proc\_id = p.proc\_id

**JOIN** conf\_series cs **ON** p.cs\_id = cs.cs\_id

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'+facebook -twitter' IN BOOLEAN MODE**)

**AND** cs\_hb\_key = **'CSCW'**

**ORDER BY** Relevance **DESC**;

**SELECT** article\_id, *MATCH* (title, abstract) *AGAINST* (**'+facebook -twitter'**) **AS** Relevance, title

**FROM** article

**JOIN** proceedings p **ON** article.proc\_id = p.proc\_id

**JOIN** conf\_series cs **ON** p.cs\_id = cs.cs\_id

**WHERE** *MATCH* (title, abstract) *AGAINST* (**'+facebook -twitter'**)

**AND** cs\_hb\_key = **'CSCW'**

**ORDER BY** Relevance **DESC**;