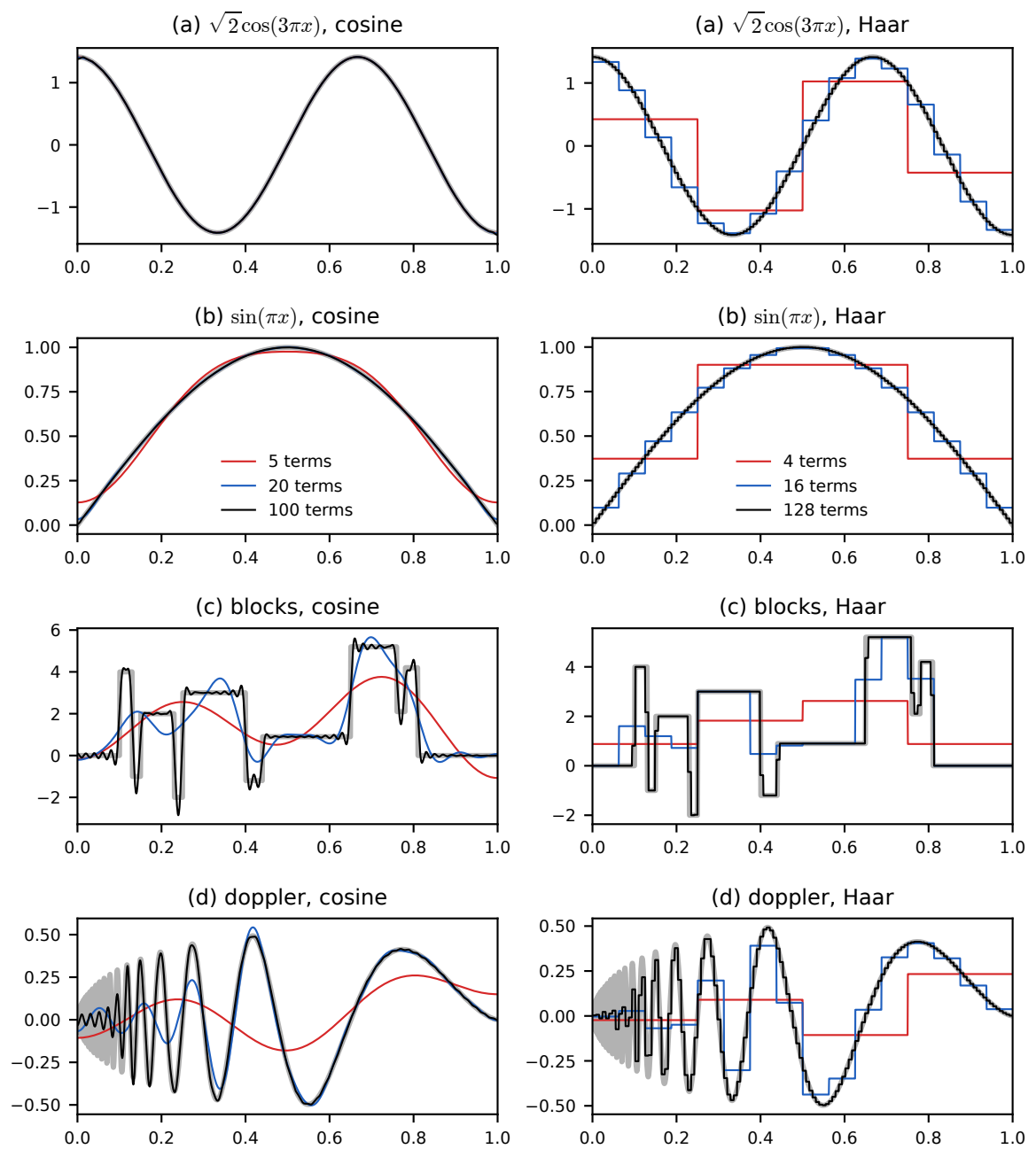

(a) $\sqrt{2}\cos(3\pi x)$, cosine
(a) $\sqrt{2}\cos(3\pi x)$, Haar
(b) $\sin(\pi x)$, cosine
5 terms
20 terms
100 terms
(b) $\sin(\pi x)$, Haar
4 terms
16 terms
128 terms
(c) blocks, cosine
(c) blocks, Haar
(d) doppler, cosine
(d) doppler, Haar