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Title:	Water- versus Water-Land-worlds in the HZ - the example of Kepler 62
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Abstract:	Planets composed of large quantities of water that reside in the habitable zone are expected to have distinct geophysics and geochemistry of their surfaces and atmospheres. We explore these properties motivated by two key questions: whether such planets could provide habitable conditions and whether they exhibit discernable spectral features that distinguish a water-planet from a rocky Earth-like planet. We explore what this would mean for the recently discovered planets Kepler-62e and -62f are the first viable candidates for habitable zone water-planet. We generate atmospheric spectral models and find that potentially habitable water-planets show a distinctive spectral fingerprint in transit depending on their position in the habitable zone. co-authors: D. Sasselov, S. Rugheimer (Harvard University)