

# Stanford

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## Brad Osgood

Professor of Electrical Engineering and, by courtesy, of Education

### Bio

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#### BIO

Osgood is a mathematician by training and applies techniques from analysis and geometry to various engineering problems. He is interested in problems in imaging, pattern recognition, and signal processing.

#### ACADEMIC APPOINTMENTS

- Professor, Electrical Engineering
- Professor (By courtesy), Graduate School of Education

#### PROGRAM AFFILIATIONS

- Institute for Computational and Mathematical Engineering (ICME)
- Science, Technology and Society

#### PROFESSIONAL EDUCATION

- PhD, Michigan (1980)

### Teaching

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#### COURSES

##### 2018-19

- Introduction to Matrix Methods: CME 103, EE 103 (Aut)
- The Fourier Transform and Its Applications: EE 261 (Win)

##### 2017-18

- Introduction to Matrix Methods: CME 103, EE 103 (Spr)
- The Fourier Transform and Its Applications: EE 261 (Aut)
- Vector Calculus for Engineers: CME 100, ENGR 154 (Win)
- Vector Calculus for Engineers, ACE: CME 100A (Win)

##### 2016-17

- The Fourier Transform and Its Applications: EE 261 (Aut)

##### 2015-16

- The Fourier Transform and Its Applications: EE 261 (Aut)

## Publications

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### PUBLICATIONS

- **LP relaxations and Fuglede's conjecture**  
Siripuram, A., Osgood, B., IEEE  
IEEE.2018: 2525–29
- **CONCAVE CONFORMAL MAPPINGS AND PRE-VERTICES OF SCHWARZ-CHRISTOFFEL MAPPINGS** *PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY*  
Chuaqui, M., Duren, P., Osgood, B.  
2012; 140 (10): 3495-3505
- **Discrete Sampling and Interpolation: Universal Sampling Sets for Discrete Bandlimited Spaces** *IEEE TRANSACTIONS ON INFORMATION THEORY*  
Osgood, B., Siripuram, A., Wu, W.  
2012; 58 (7): 4176-4200
- **SCHWARZIAN NORMS AND TWO-POINT DISTORTION** *PACIFIC JOURNAL OF MATHEMATICS*  
Chuaqui, M., Duren, P., Ma, W., Mejia, D., Minda, D., Osgood, B.  
2011; 254 (1): 101-116
- **SCHWARZIAN DERIVATIVES OF CONVEX MAPPINGS** *ANNALES ACADEMIAE SCIENTIARUM FENNICAE-MATHEMATICA*  
Chuaqui, M., Duren, P., Osgood, B.  
2011; 36 (2): 449-460

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