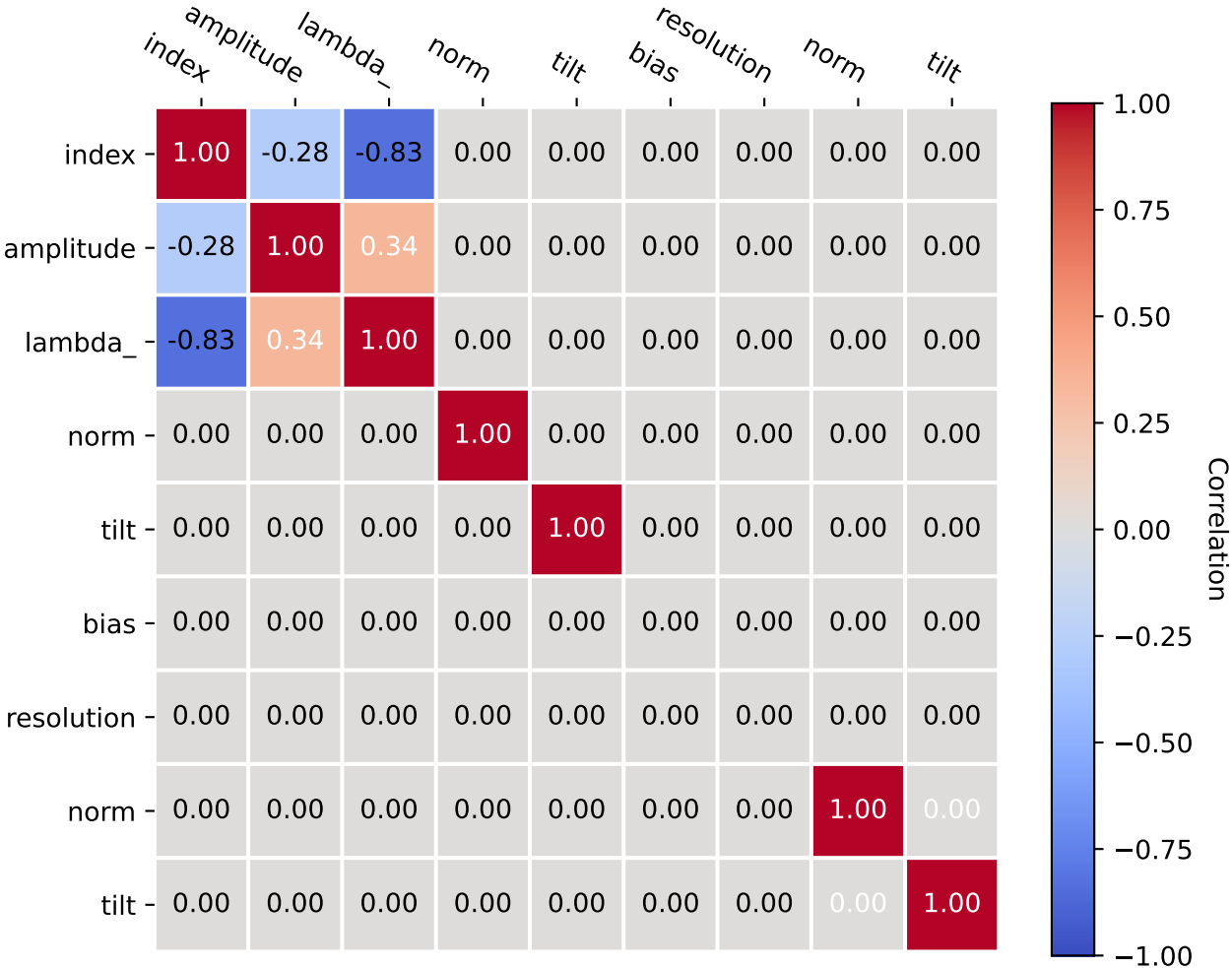4.641588833612778 hr